

DEPARTMENT OF THE LAND RESOURCES

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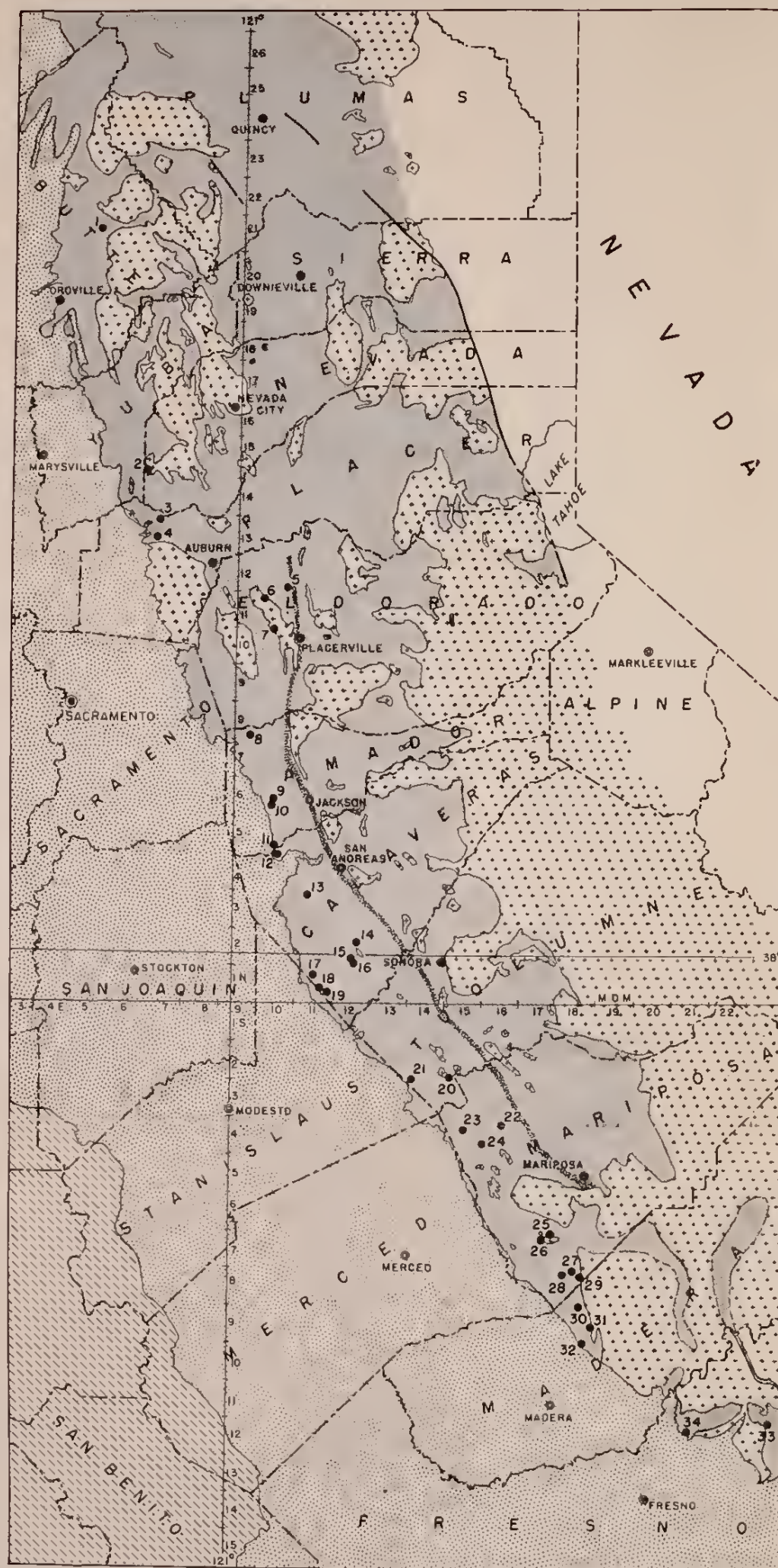
TN
24
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NO. 144
MAPS

COPPER IN CALIFORNIA

BULLETIN 111

1911

DIVISION OF MINES
DEPT. OF THE LAND RESOURCES

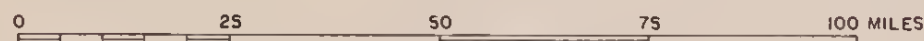


EXPLANATION

- Undeformed Upper Cretaceous, Tertiary and Quaternary deposits of the Great Valley of California
- Mother Lode gold-quartz vein system
- Granodiorite and related granitoid intrusives
- Strongly deformed, metamorphosed Mesozoic and Paleozoic rocks
- Folded rocks of the Coast Ranges

Note: Areas of Tertiary and Quaternary deposits capping granodiorite and metamorphic rocks in the Sierran Province are not differentiated

SCALE



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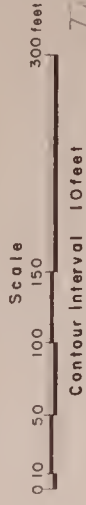
PRINCIPAL MINES AND PROSPECTS OF THE FOOTHILL COPPER-ZINC BELT

- 1 Big Bend
- 2 Spenceville
- 3 Doiry Farm
- 4 Valley View
- 5 Eldorado
- 6 Lilyoma
- 7 Funny Bug
- 8 Copper Hill
- 9 Allen
- 10 Newton
- 11 Groyhouse
- 12 Penn
- 13 Coledonio
- 14 Nassau or Poole
- 15 North Keystone
- 16 Keystone-Union
- 17 Quail Hill
- 18 Napoleon
- 19 Collier
- 20 Solombo
- 21 Oak Hill
- 22 La Victoria
- 23 Akoz
- 24 Blue Moon and American Eagle
- 25 Pocohontas
- 26 White Rock
- 27 Lone Tree
- 28 Son Jose
- 29 Green Mountain
- 30 Buchanon
- 31 Jesse Belle
- 32 Doulton
- 33 Copper King
- 34 Fresno

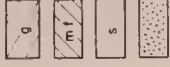
MAP SHOWING RELATIONSHIP OF THE FOOTHILL COPPER-ZINC BELT
OF CALIFORNIA TO THE BATHOLITH OF THE SIERRA NEVADA

GEOLOGIC MAP OF THE
BIG BEND MINE AREA
BUTTE COUNTY, CALIFORNIA

JUNE 1945



EXPLANATION



Greenstone and chlorite schist
Metafelsite
Sericitized pyritized schist
Gossan. ba, barite



Attitude of schistosity
Vertical schistosity
Fault, showing dip
Vertical fault
Quartz vein, showing dip
Contact, showing dip
Hoefling Brothers diamond-drill hole, showing direction and angle
Hoefling Brothers spontaneous polarization negative potential center (approx. location)
Pit or caved shaft
Underground working
Adit

DDH
Hoefling Brothers diamond-drill hole, showing direction and angle
SP
Hoefling Brothers spontaneous polarization negative potential center (approx. location)

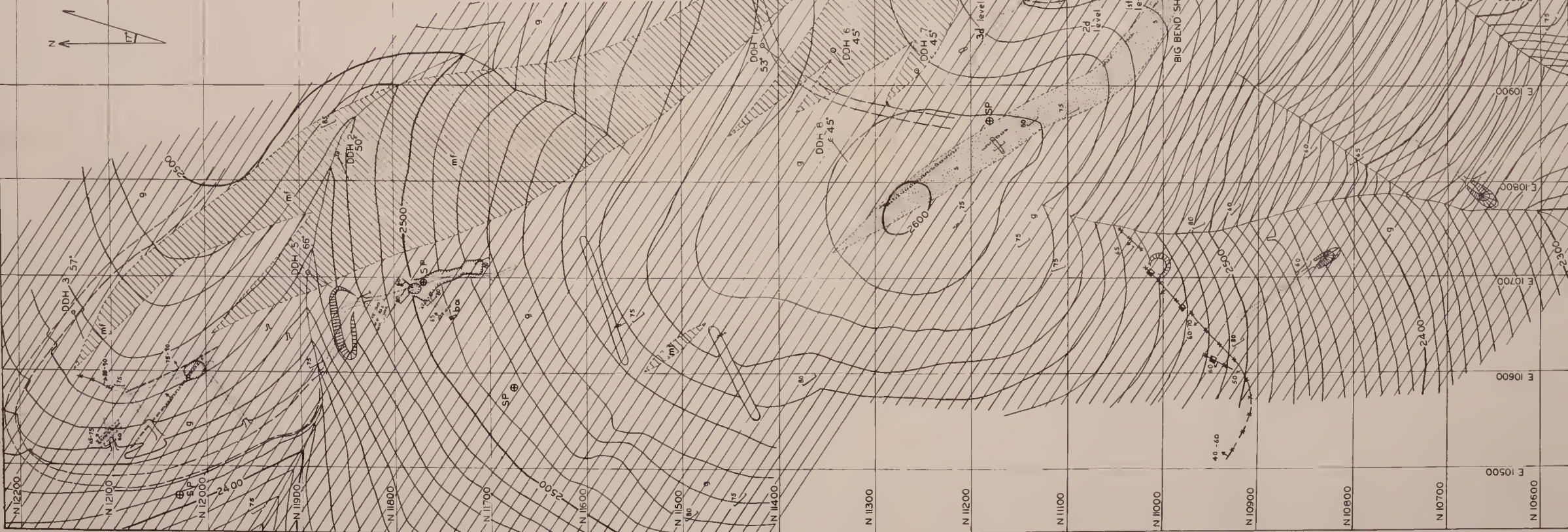
Pit or caved shaft
Underground working
Adit

TOPOGRAPHY

Hoefling Brothers

GEOLOGY

F.H. Frederick, H.H. Bein; Hoefling Brothers
J.H. Eric, U.S. Geological Survey



1/1

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GEOLOGIC LEVEL MAPS
BIG BEND MINE
BUTTE COUNTY, CALIFORNIA
JUNE 1945

Scale
0 10 20 40 60 80 100 feet

EXPLANATION

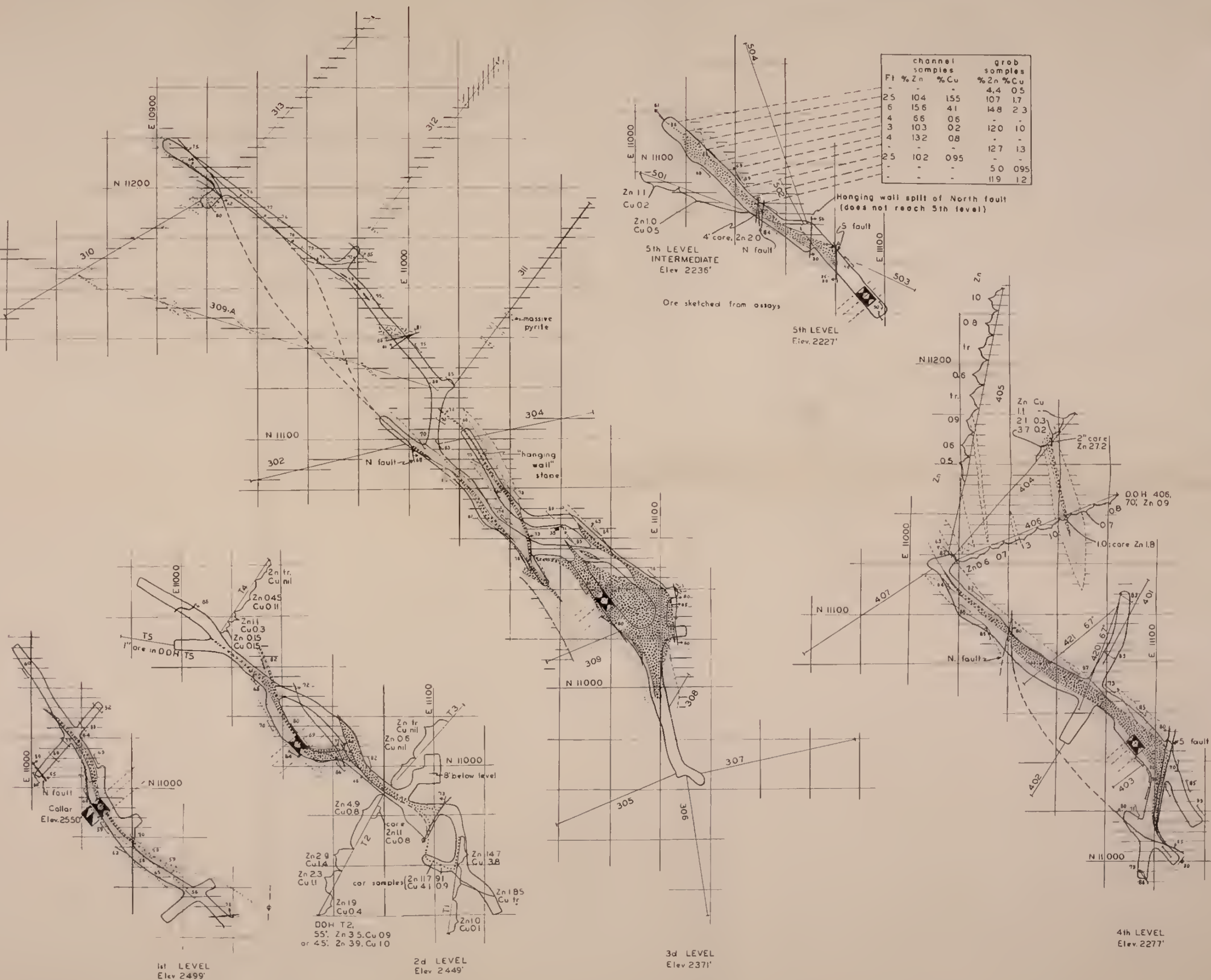
- Greenstone and chlorite schist includes mafic dikes and local areas of metafelsite
- Metafelsite
- Sericitized schist with disseminations, stringers, and veins of pyrite
- Feldspar porphyry
- Massive ore (pyrite, sphalerite, chalcopyrite) - gossion on 1st level includes some mafic dikes

GEOLOGY NOT MAPPED WHERE NO PATTERN IS SHOWN

- Collar of shaft
- Shaft going through level
- 503, Hoefling Brothers diamond-drill hole; all holes are horizontal except 420 and 421, assays (%) of sludge except where noted
- Strike and dip of schistosity with plunge of linear element
- Vertical schistosity
- Strike and dip of major joint
- Fault, showing dip
- Fault, vertical
- Contact, showing dip, dashed where inferred

BASE AND ASSAYS
Hoefling Brothers

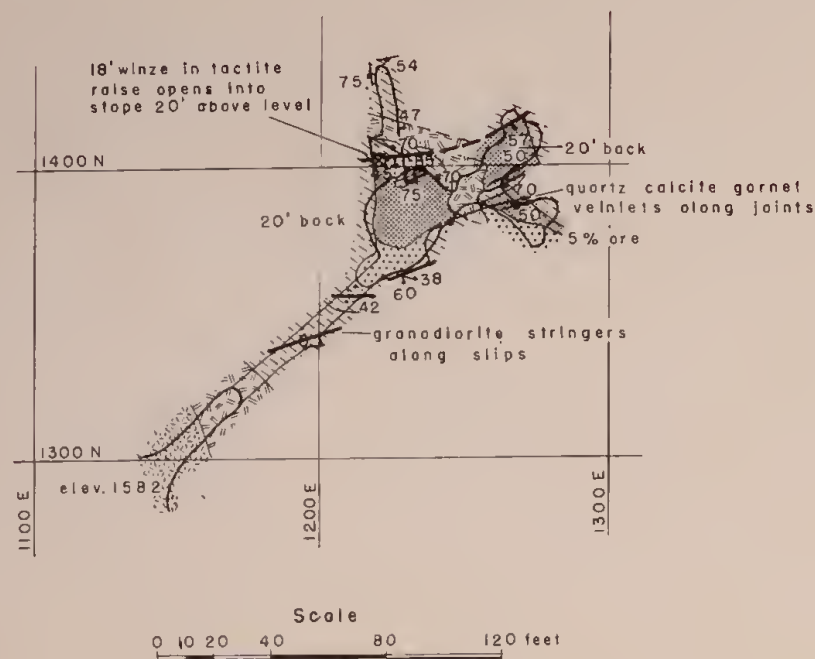
GEOLOGY
J.H. Eric, U.S. Geological Survey
H.H. Bein, Hoefling Brothers



N SOE



UPPER TUNNEL

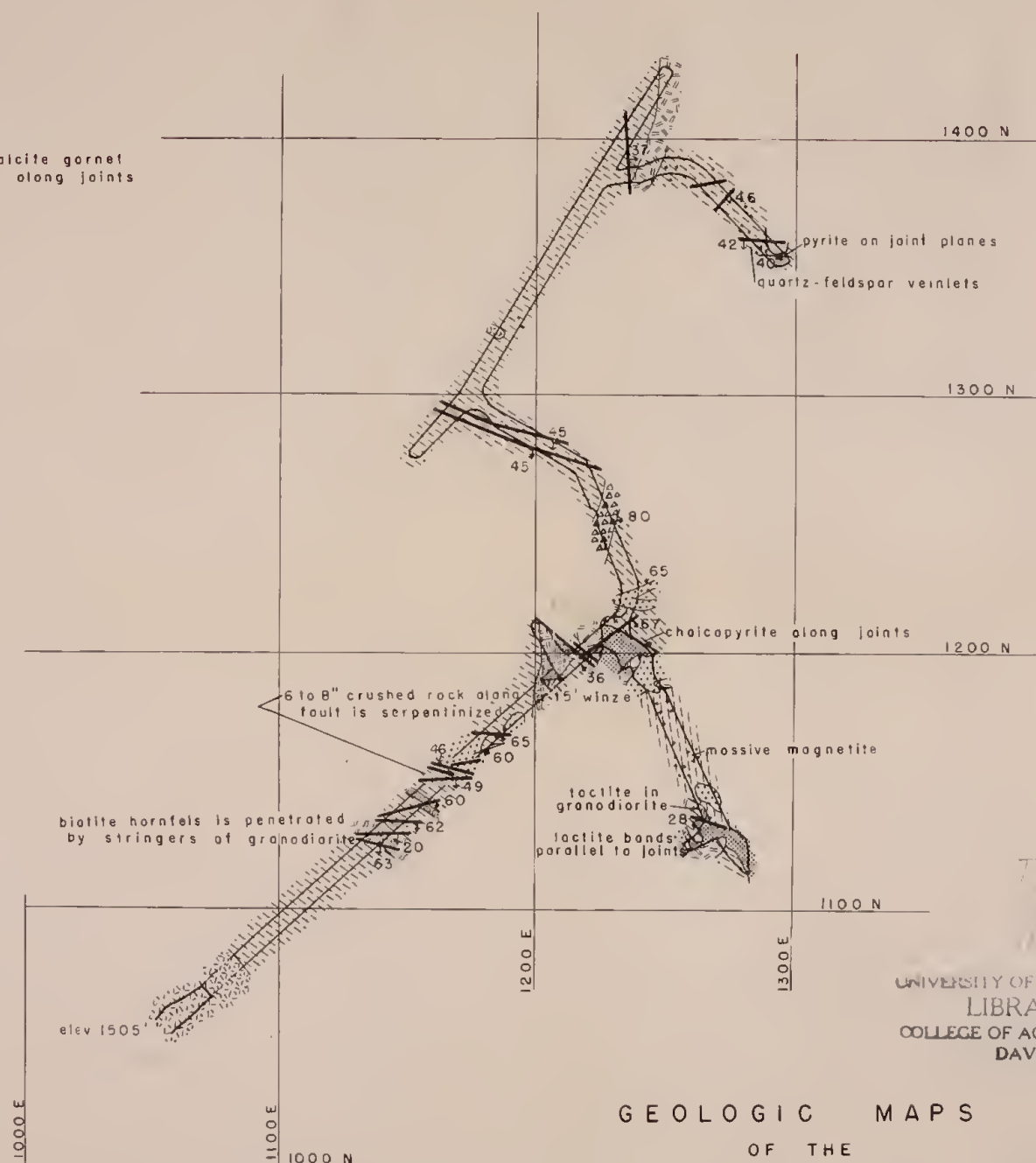


EXPLANATION FOR TUNNEL MAPS

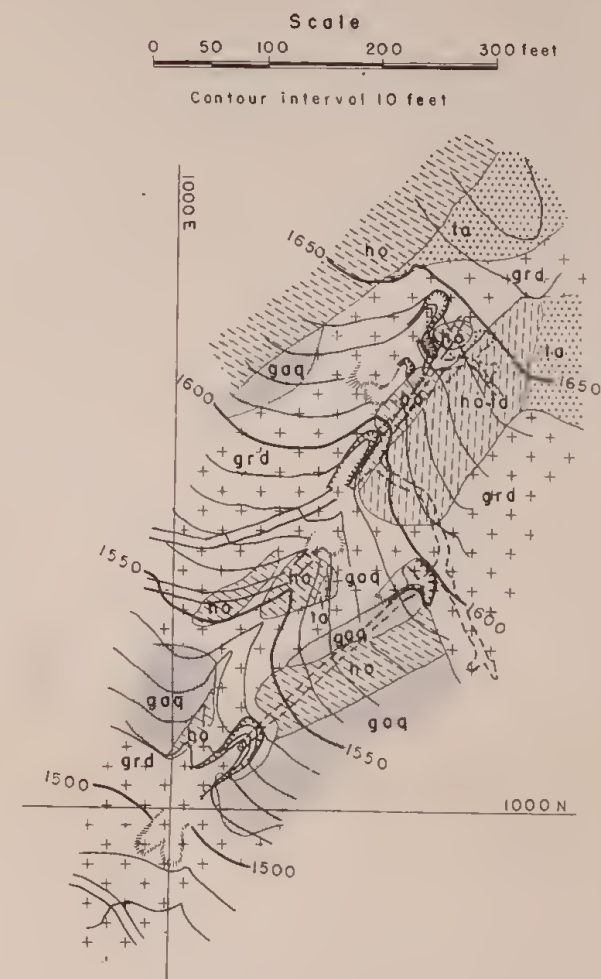
- Ore: streaks of chalcopryite and pyrite
- Quartz-calcite-magnetite rock: contains a small quantity of sulphides
- Tactite: coarse grained to dense rock composed of quartz, epidote, garnet, and magnetite
- Hornfels-tactite, undifferentiated: crosses indicate spots of tactite
- Hornfels: green to black siliceous rock locally with biotite metacrysts
- Hornblende granodiorite
- Contact phase of granodiorite: fine to medium grained green rock
- Hornblende diorite
- Syenite porphyry

- Contact showing dip
- Fault showing dip; and plunge of slickensides
- Vertical fault
- Strike and dip of joint

LOWER TUNNEL



SURFACE MAP



EXPLANATION FOR SURFACE MAP

- Tactite: garnet, epidote, diopside? idocrase? magnetite rock with patches of sulphides or gossan
- Hornfels-tactite, undifferentiated: spots of tactite and gossan in hornfels
- Hornfels
- Garnet-quartzite
- Granodiorite: includes several phases distinguished underground
- Contact
- Open cut
- Dump
- Underground working, upper tunnel
- Underground working, lower tunnel

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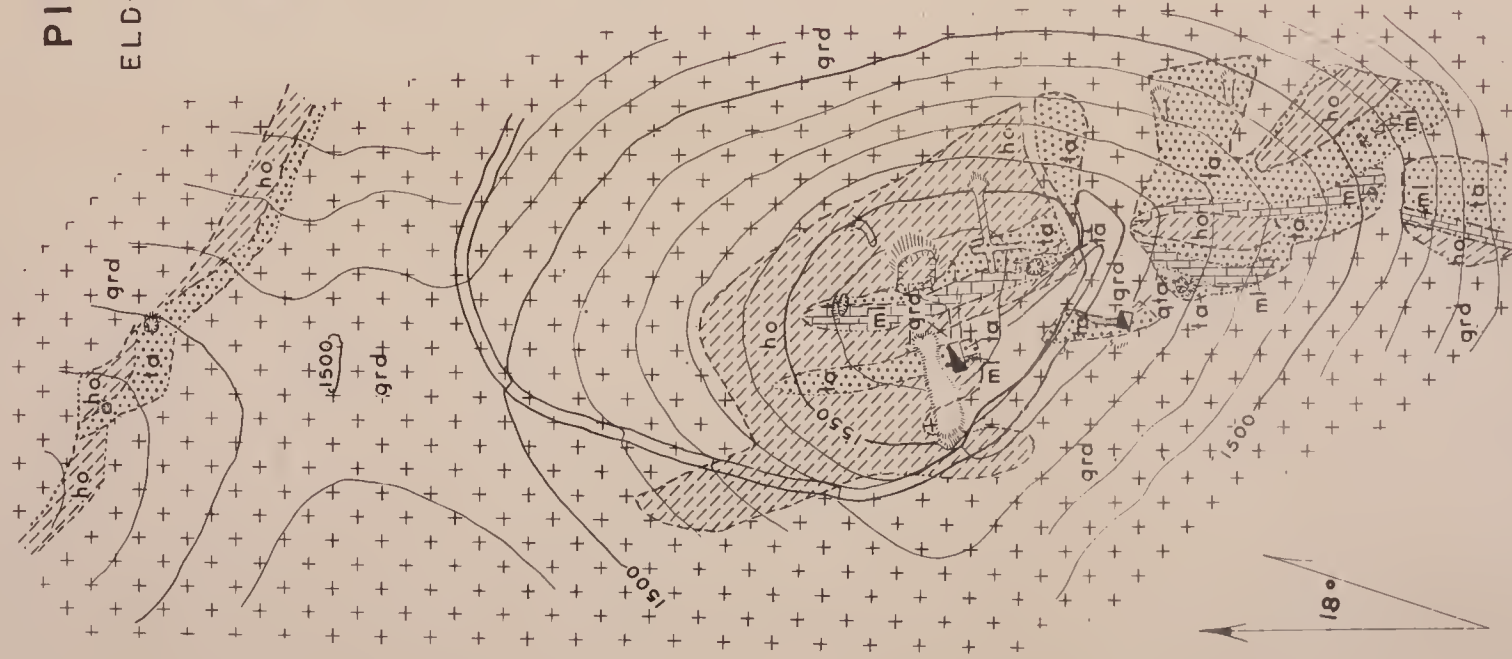
GEOLOGIC MAPS
OF THE
LILYAMA MINE
ELDORADO COUNTY
BY
D.G. WYANT, M.W. COX, AND G.R. HEYL
MARCH 1944

GEOLOGIC MAP OF THE **PIONEER MINE AREA** ELDORADO COUNTY, CALIFORNIA

GEOLOGY BY
M.W. COX AND D.G. WYANT
MARCH 1944

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









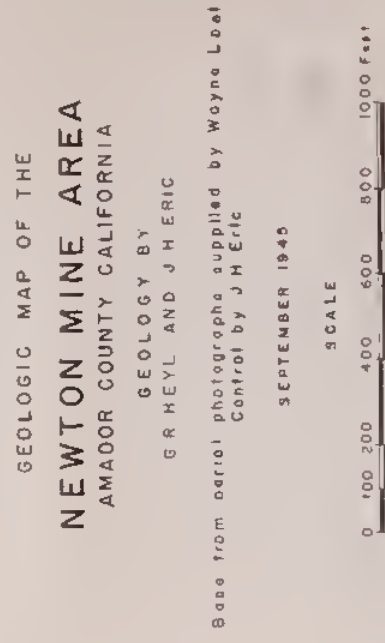
Scale



Contour interval 10 feet

EXPLANATION

	Garnet-talcite
	Quartz-talcite
	Hornfels
	Marble
	Granodiorite
	Contact
	Pit
	Open hole
	Shaft












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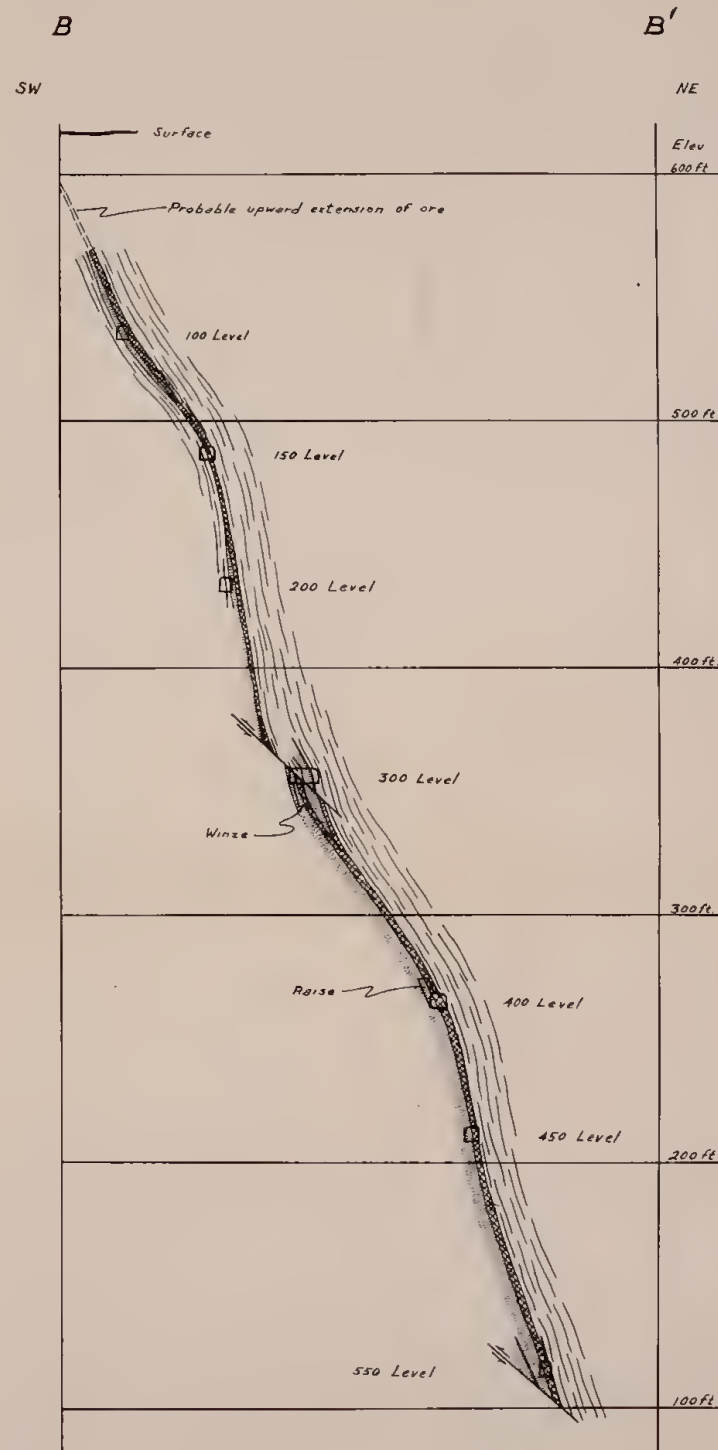
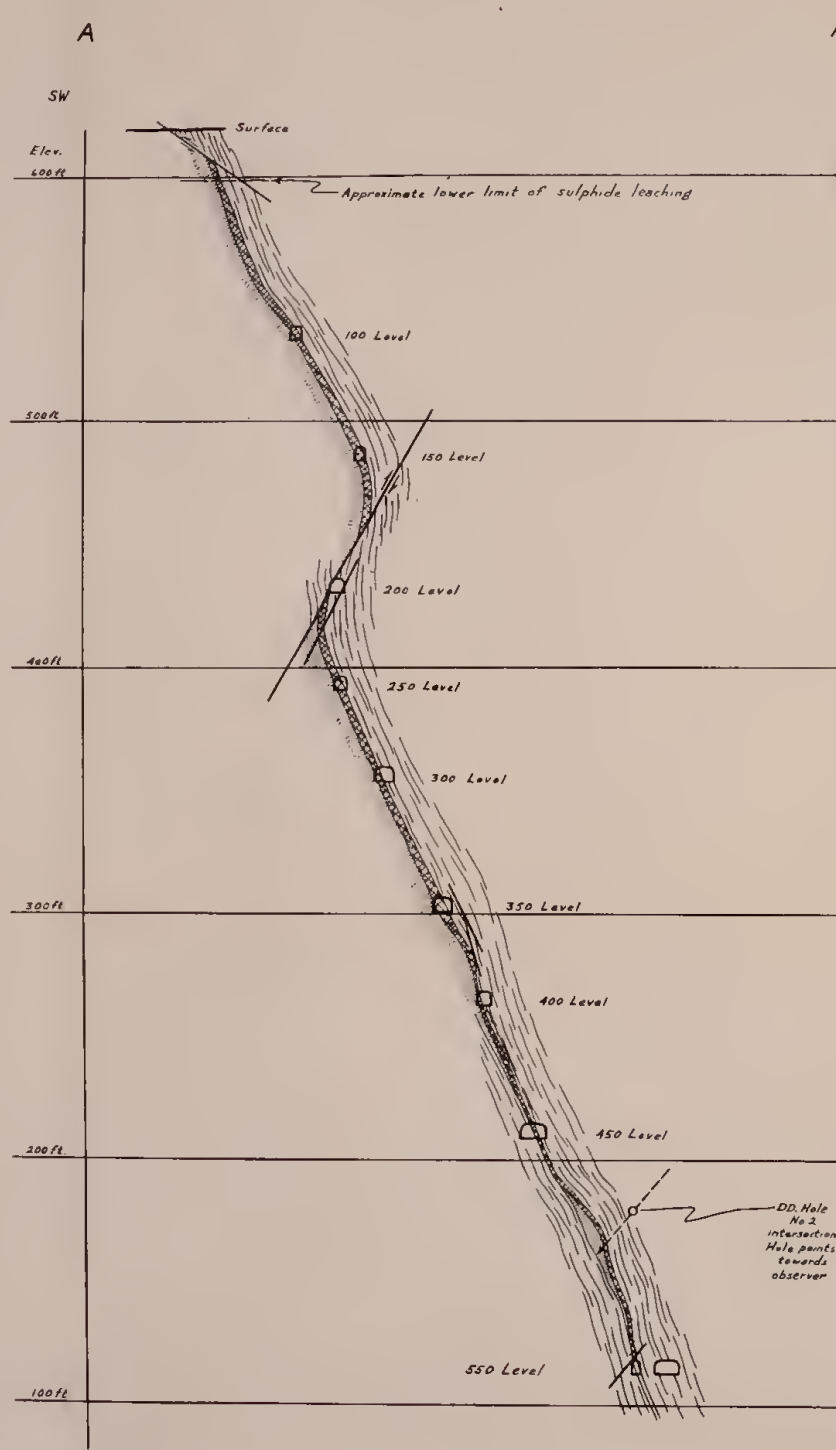
GEOLOGIC SECTIONS
NEWTON MINE
AMADOR COUNTY, CALIFORNIA
BY G. R. HEYL
1945

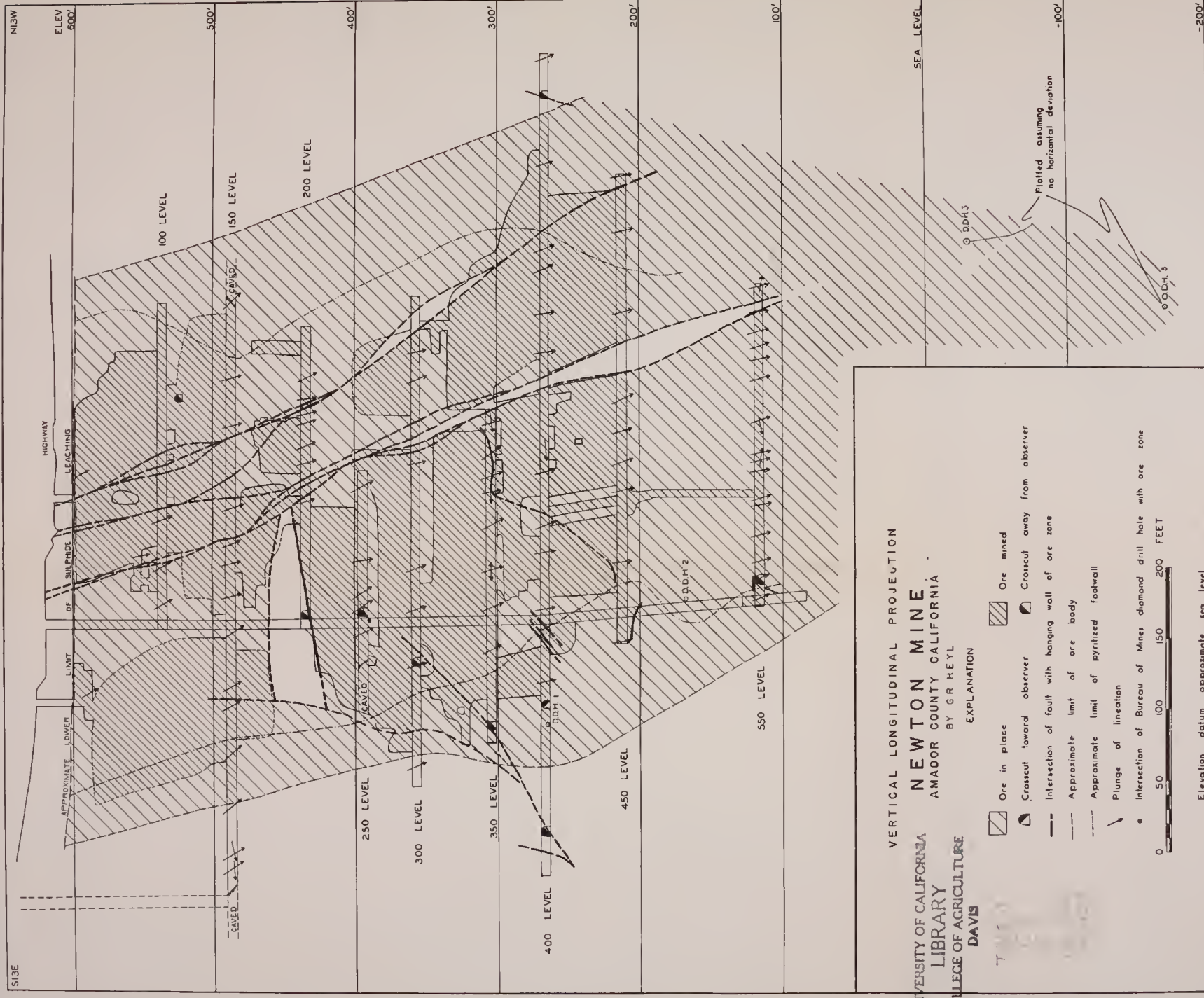
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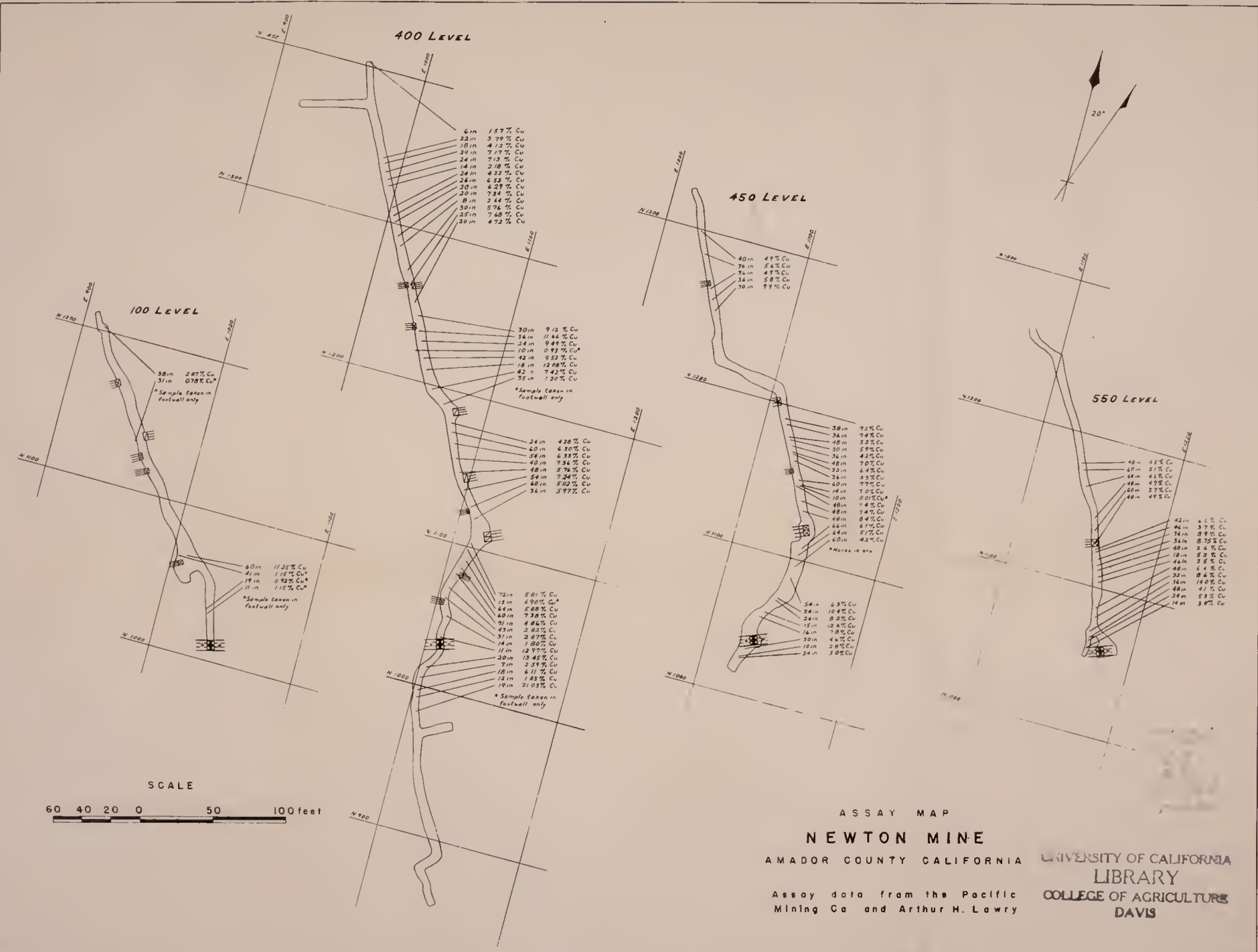
EXPLANATION

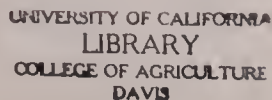
-  Copper ore; massive pyrite and chalcopyrite, with some chalcocite in upper levels.
-  Strongly pyritized schist, generally with some sericite and/or quartz; includes bands of massive pyrite.
-  Green schist, the main constituents being chlorite, omphacite, epidote, and/or quartz.
-  Geologic contact
-  Fault, arrows indicate relative movement
-  Mine workings
-  Slope boundary

Elevation datum approximate sea level











MAP OF
LEVELS, SHAFTS AND RAISES
PENN MINE
CALAVERAS COUNTY, CALIFORNIA
Compiled from maps of Penn Mining Co. by
J. H. ERIC
JANUARY 1945

0 100 200 300 400 500 Feet
Elevation datum Sea level

EXPLANATION

Inclined shaft or raise

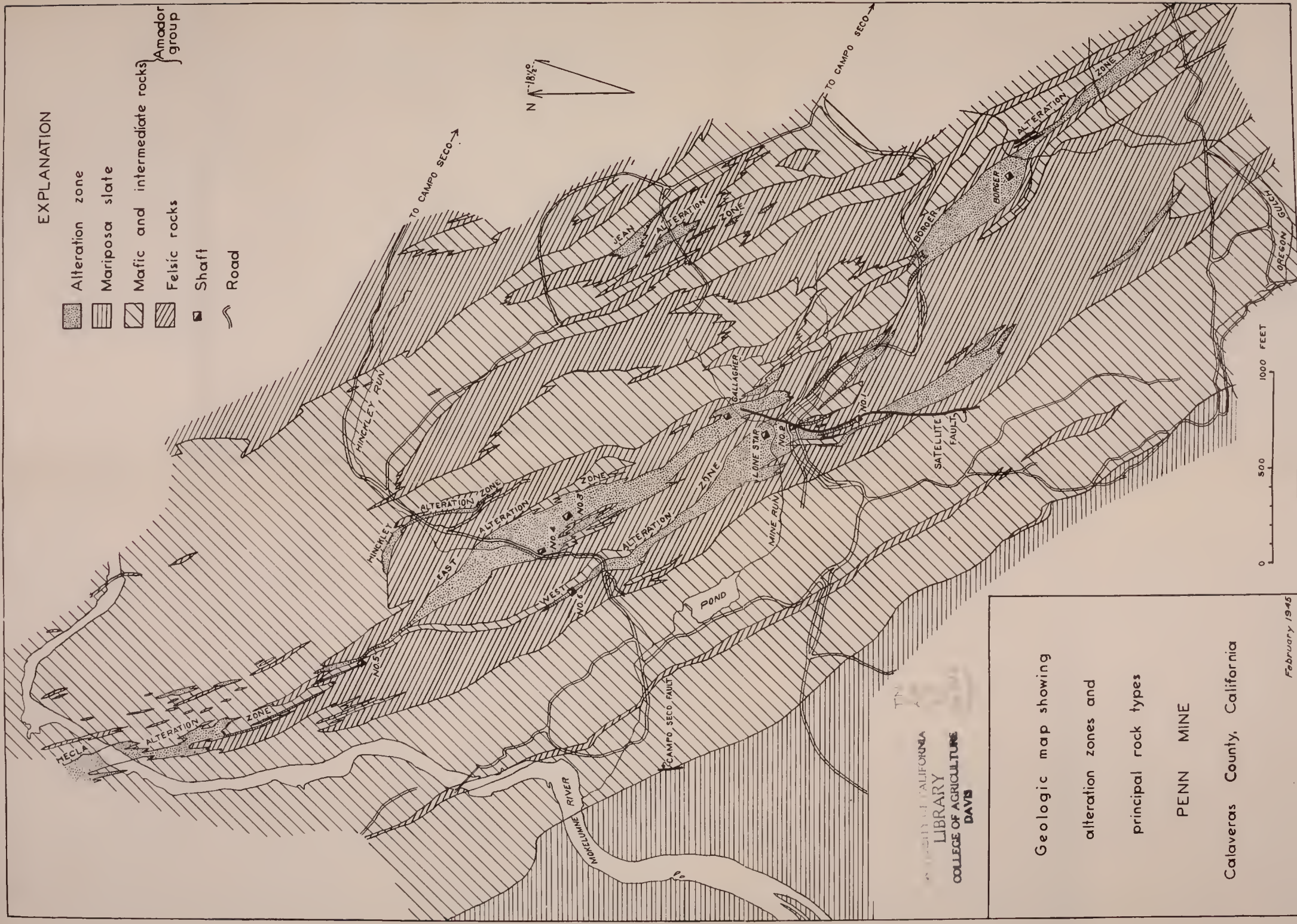
Collar of shaft

Vertical section or projection

EXPLANATION

- Alteration zone
- Mariposa slate
- Mafic and intermediate rocks
- Felsic rocks
- Shaft
- Road

Amador group



Geologic map showing

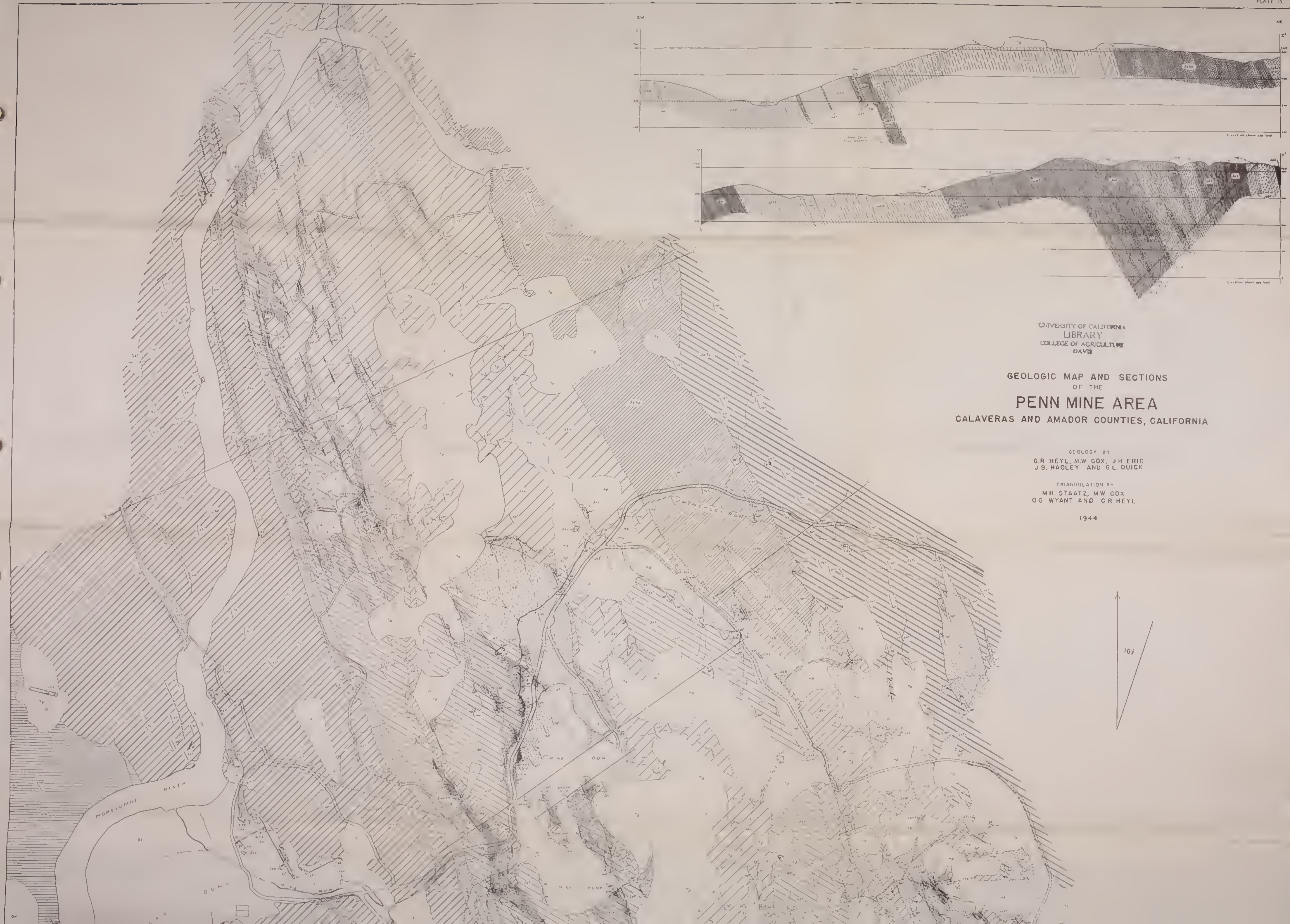
alteration zones and

principal rock types

PENN MINE

Calaveras County, California

February 1945



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GEOLOGIC MAP AND SECTIONS
OF THE
PENN MINE AREA
CALAVERAS AND AMADOR COUNTIES, CALIFORNIA

GEOLOGY BY
G.R. HEYL, M.W. COX, J.H. ERIC
J.B. HAULEY AND G.L. QUICK

TRIANGULATION BY
M.H. STAATZ, M.W. COX
O.G. WYANT AND G.R. HEYL

1944



EXPLANATION

SEDIMENTARY AND VOLCANIC ROCKS

QUATERNARY

Qal

Gravel, ash, and alluvium

TERTIARY

Tg

Gravel and coarse sand

UNCONSOLIDATED

Jm

Note: Symbols on the right are used in the vertical sections

Jm

Mariposa slate

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

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Metasediments and meta-dolomite agglomerates

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Metasediments and meta-dolomite agglomerates

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Metasediments and meta-dolomite agglomerates

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Metasediments and meta-dolomite agglomerates

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Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

Jm

Metasediments and meta-dolomite agglomerates

MISCELLANEOUS ROCKS

G

Gossan

Qv

Quartz veins

H

Hematitic Jasper

P

Pyritized rock

S

Silicified rock

Sp

Spiritized, silicified rock

S

Spiritized rock

I

Intensive

I

Intensive

T

Trap

F

Felsite

Qp

Quartz porphyry breccia

Qp

Quartz porphyry

G

Greenstone

G

Greenstone

G

Greenstone

G

Greenstone

G

Greenstone

G

Greenstone

G

Greenstone

G

Greenstone

G

Greenstone

G

Greenstone

G

Greenstone

Vertical section

T

Tank

S

Small pit

L

Large pit or trench

D

Drift hole

W

Well

B

Building

B

Bridge

F

Footbridge

A

Aqueduct

R

Road

T

Tramroad

S

Stream

T

Triangulation point

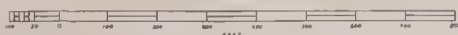
L

Line of geologic section

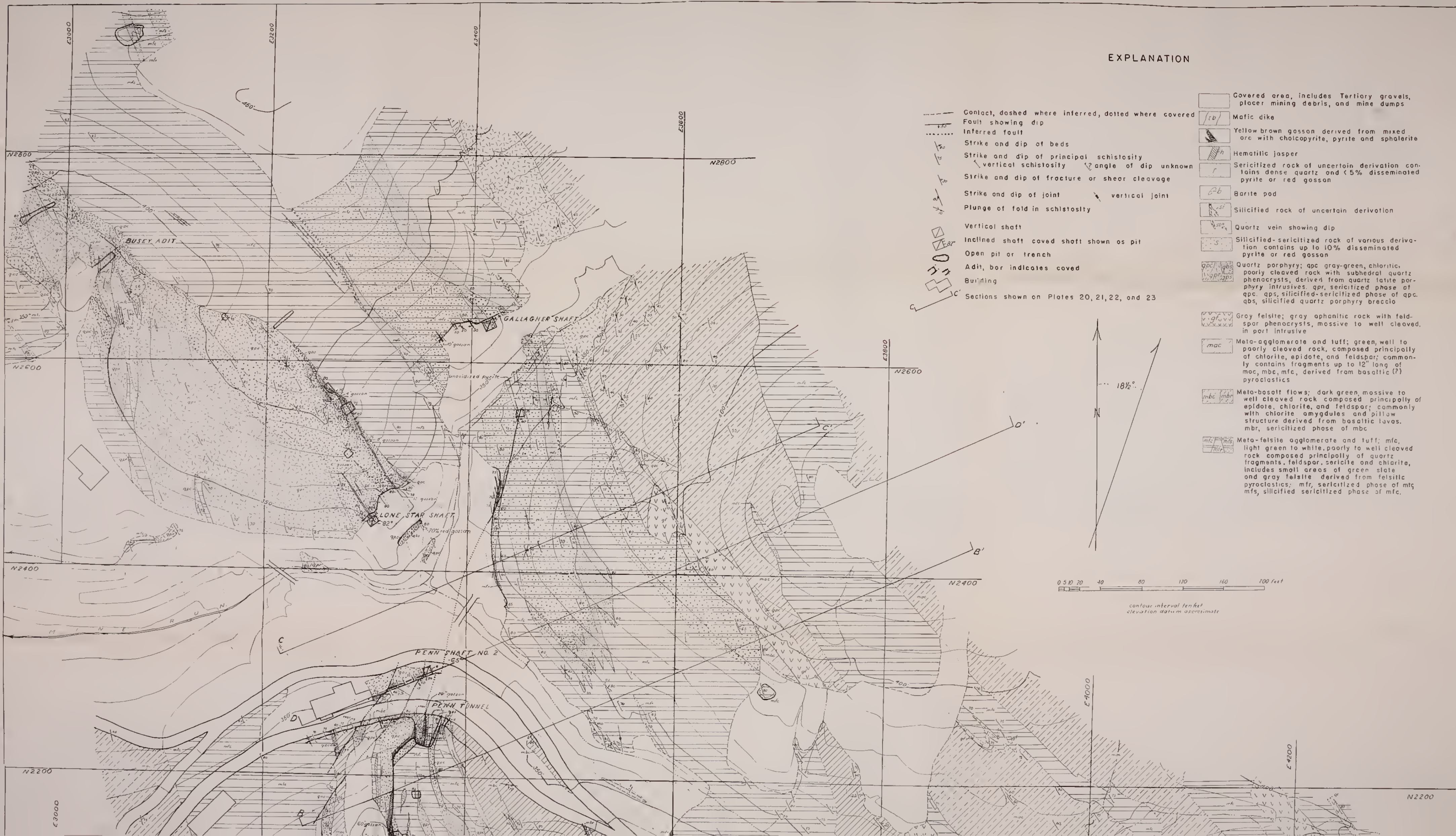
T

Tunnel

SCALE



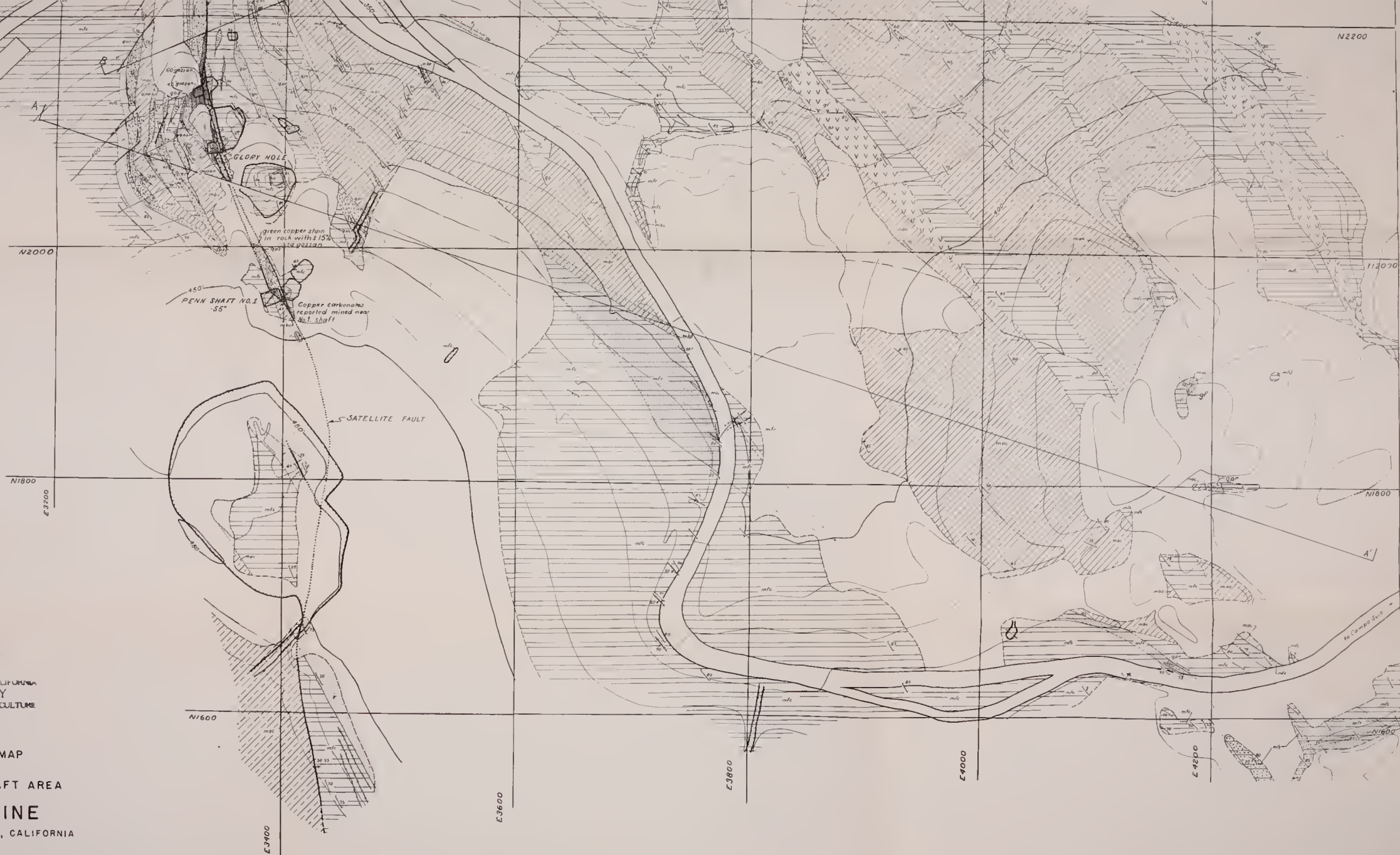
OREGON GULCH

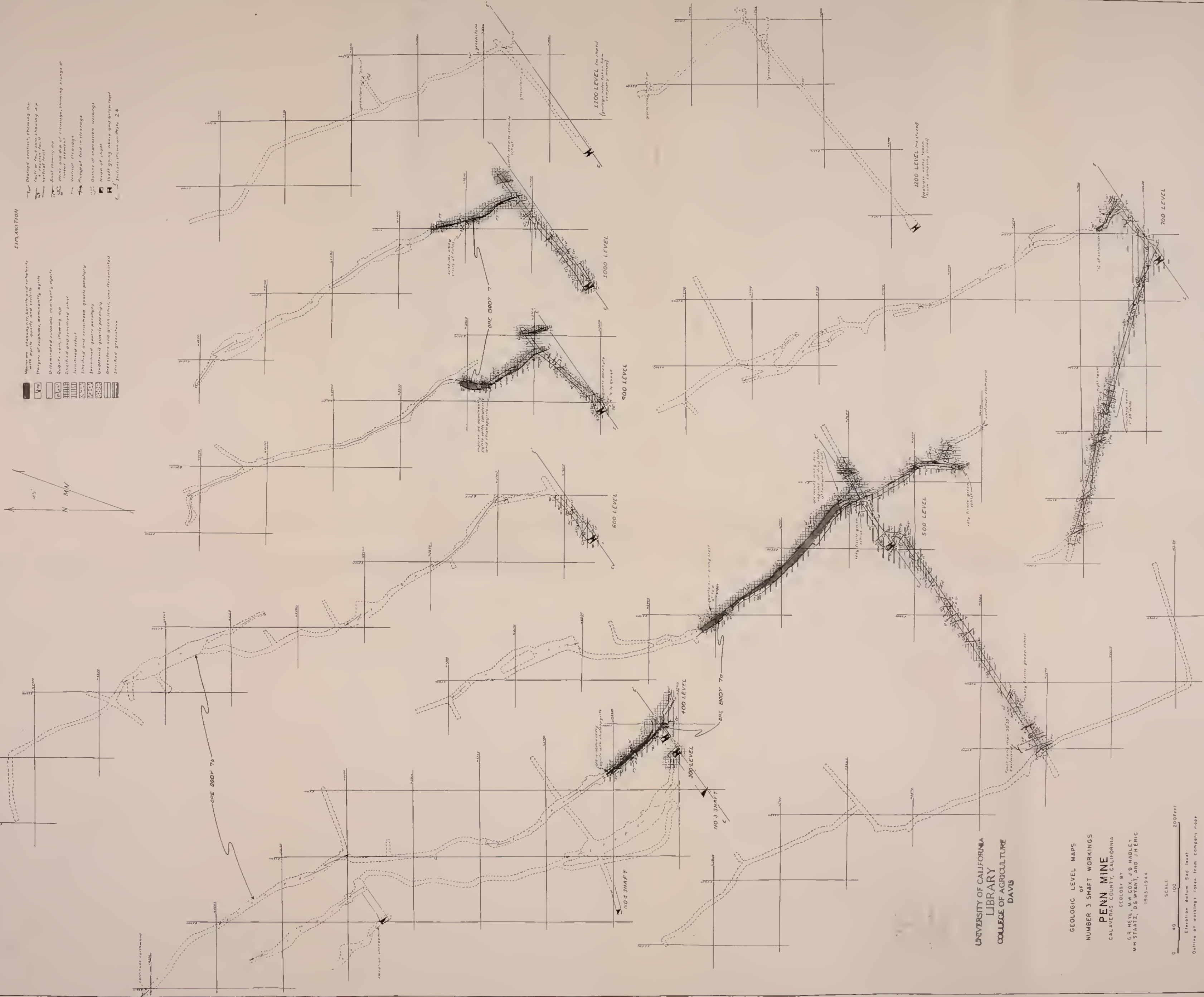


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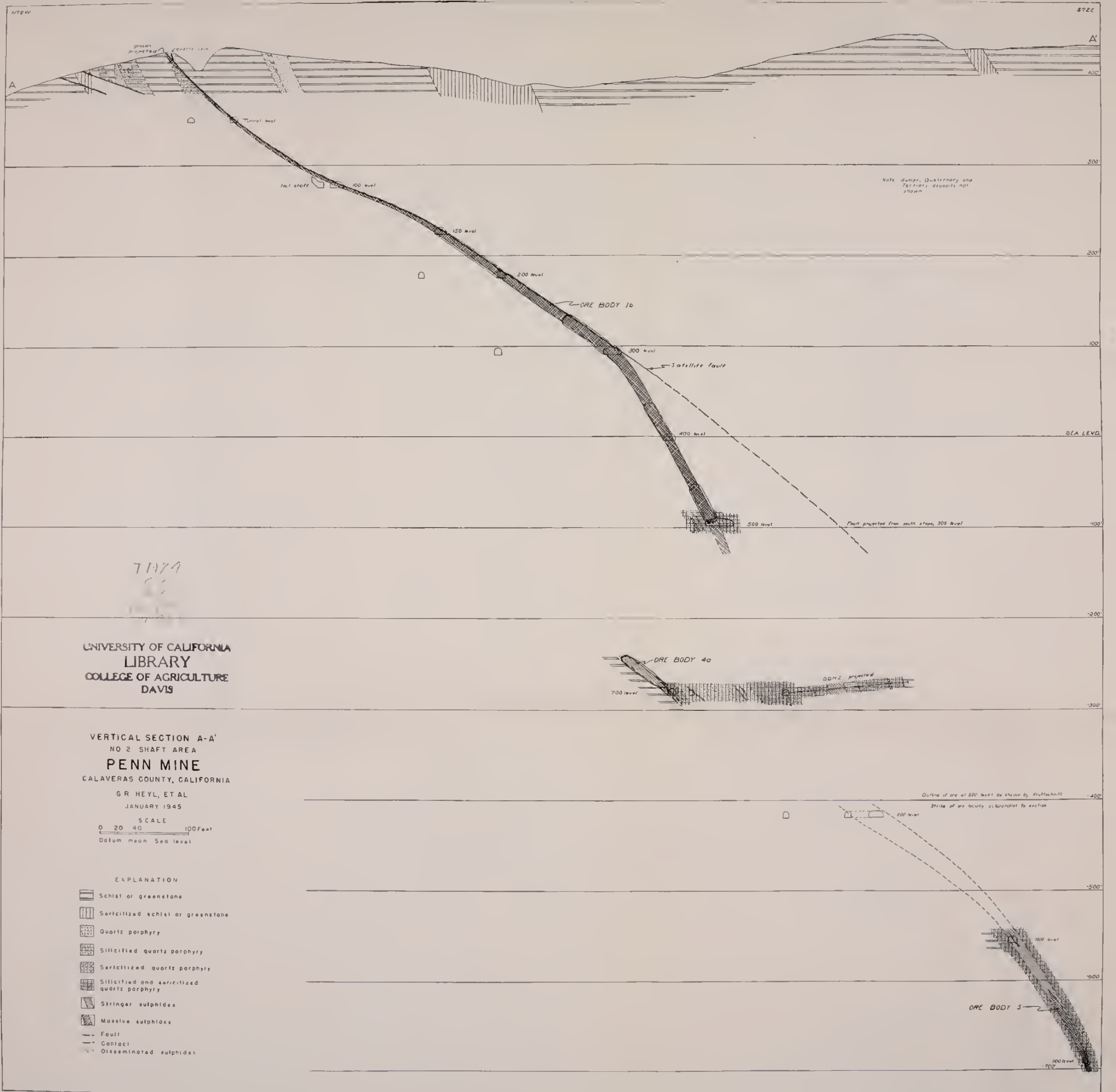
GEOLOGIC MAP
OF THE
NUMBER 2 SHAFT AREA
PENN MINE
CALAVERAS COUNTY, CALIFORNIA

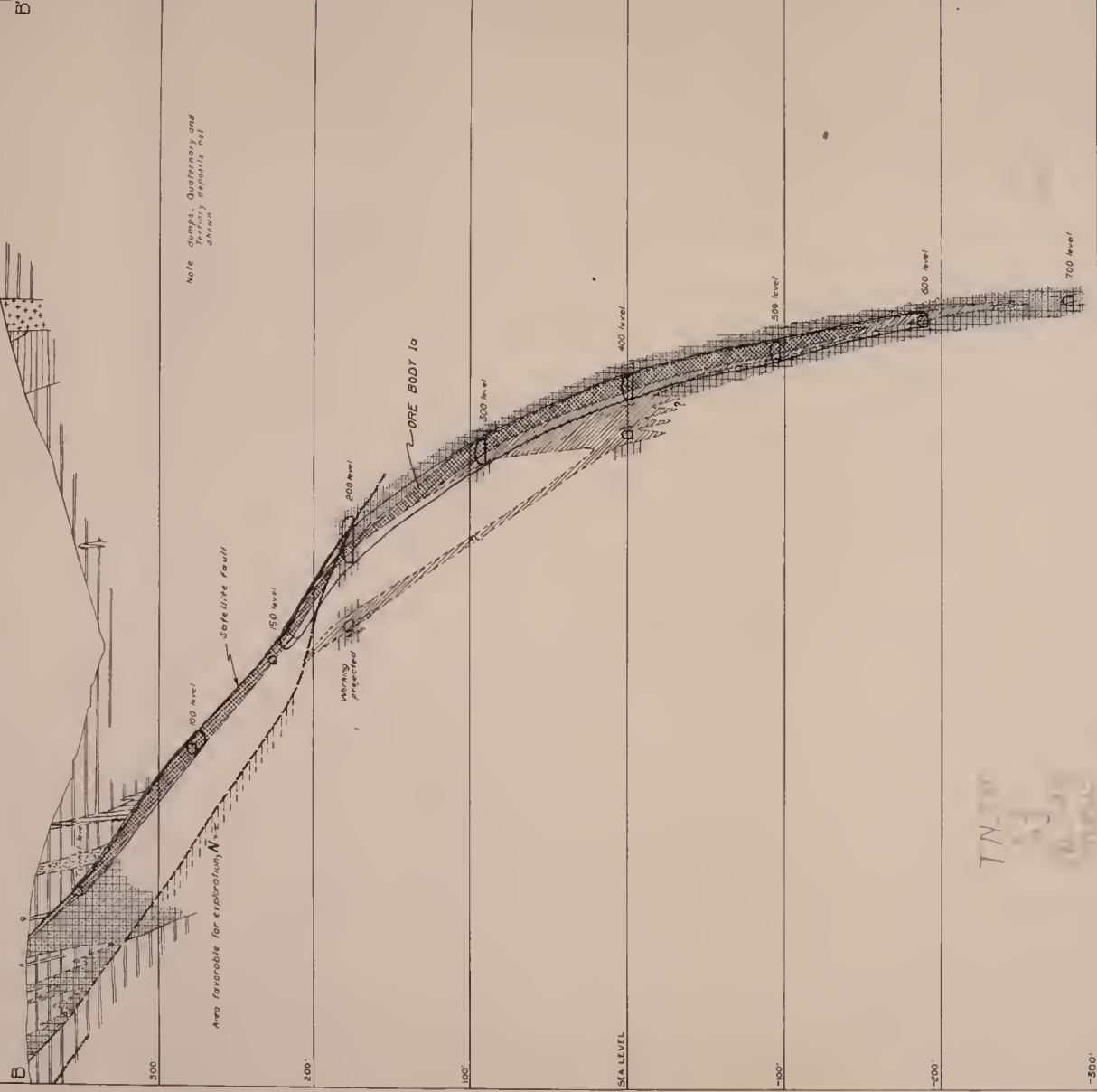
SURVEYED BY
M. W. COX AND J. H. ERIC
JULY-AUGUST 1944











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VERTICAL SECTION B-B'
NO 2 SHAFT AREA

PENN MINE
CALAVERAS COUNTY, CALIFORNIA

GEOLOGY BY
G. R. HEYL, ET AL

SCALE

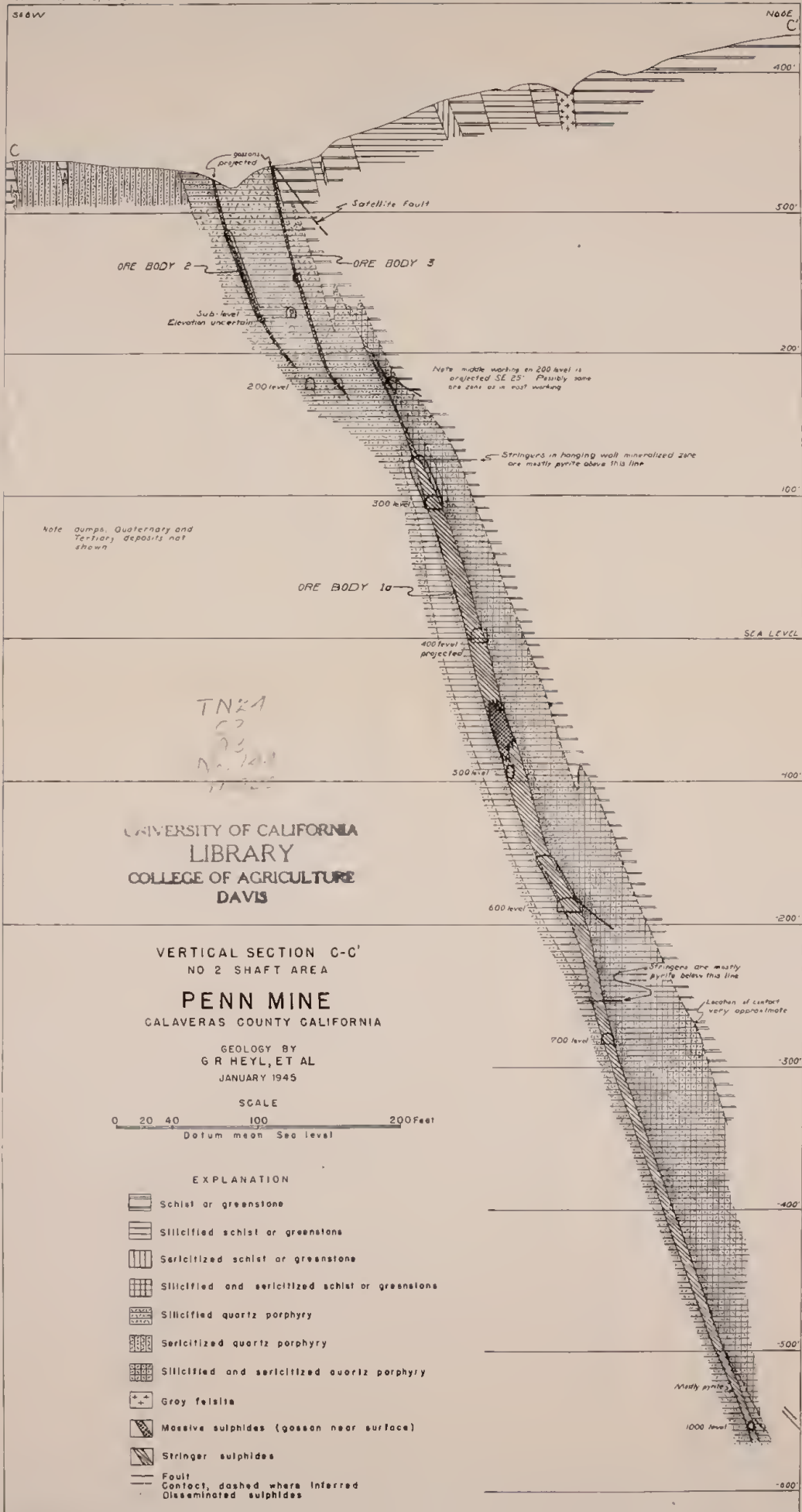
0 20 40 100 200 Feet
Datum mean Sea level

EXPLANATION

	Schist or greenstone		Massive sulphides (gossan near surface)
	Silicified schist or greenstone		Stringer sulphides
	Sericitized schist or greenstone		Area favorable for exploration, designated by letter used in text
	Silicified and sericitized schist or greenstone		Fault
	Quartz porphyry		Contact, dashed when inferred
	Silicified quartz porphyry		Dip of schistosity
	Silicified and sericitized quartz porphyry		Disseminated sulphides
	Gray felsite		Hematitic Jasper
			Quartz vein

318VV

N60E
C



D
266W

D'
N46E

NUMBER 2 SHAFT

East alteration zone

Satellite fault

ORE BODY 2

200 LEVEL

area favorable for exploration

300 LEVEL

ORE BODY 1a

400 LEVEL

SEA LEVEL

500 LEVEL

600 LEVEL

700 LEVEL

800 LEVEL

900 LEVEL

1000 level fault zone

1000 LEVEL

1100 LEVEL

1200 LEVEL

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VERTICAL SECTION D-D'
ALONG NO. 2 SHAFT

PENN MINE

CALAVERAS COUNTY, CALIFORNIA

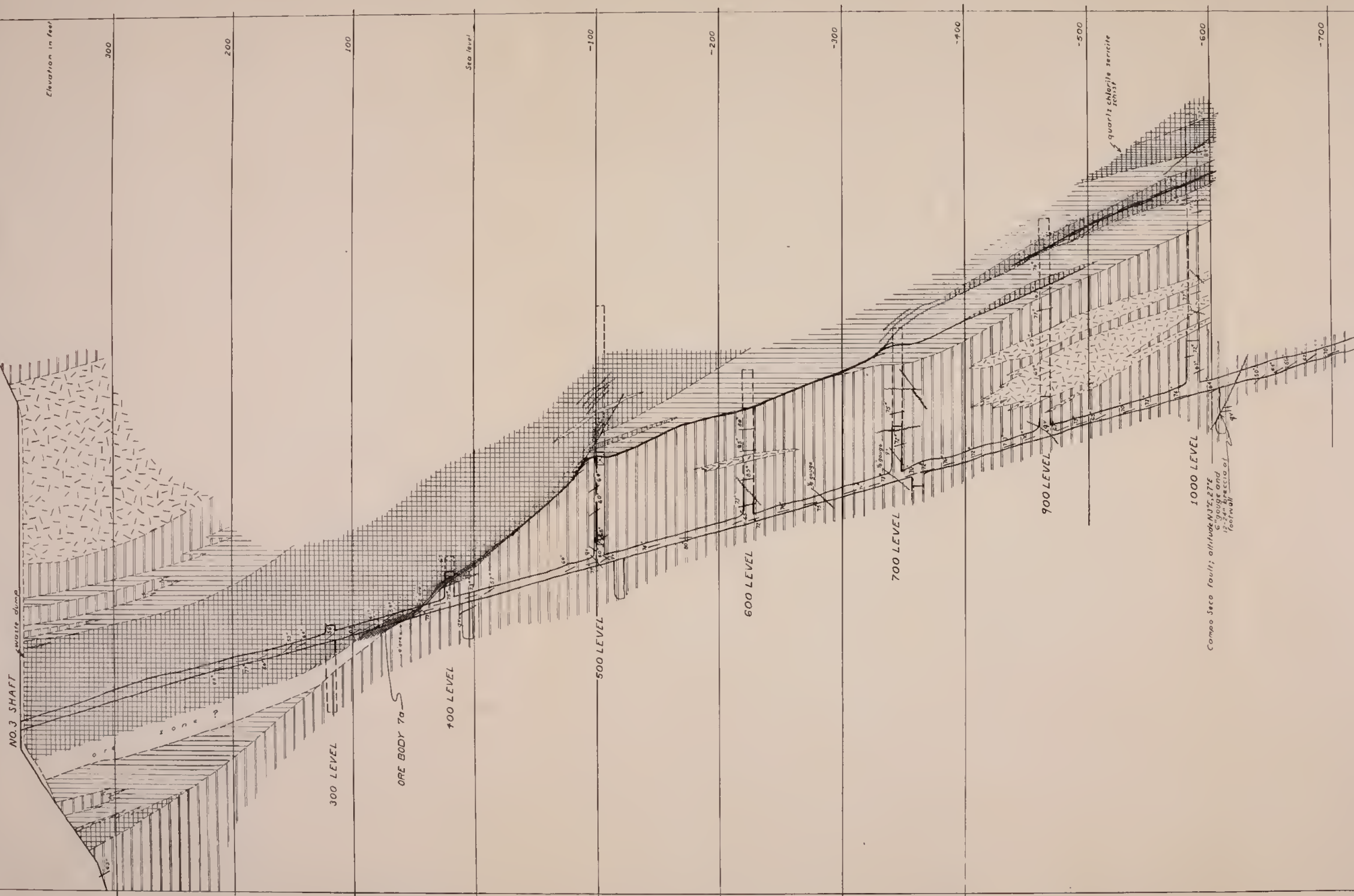
G. R. HEYL, M. W. COX, M. H. STAATZ
1944-1945

0 20 40 100 200 Feet
SCALE
Elevation datum Sea level

EXPLANATION

- Greenstone and green schist, undifferentiated
- Sericitized schist
- Silicified schist
- Silicified and sericitized schist
- Silicified quartz porphyry
- Silicified and sericitized quartz porphyry
- Massive ore
- Stringer ore
- Stringers of sulphides, dominantly pyrite
- Disseminated sulphides, dominantly pyrite
- Contact, dashed where inferred
- Fault
- Dip of schistosity
- Area favorable for exploration, designated by letter used in text

E
855 W



- EXPLANATION
- Massive ore
 - Stringers of sulphides, dominantly pyrite
 - Disseminated sulphides, dominantly pyrite
 - Sericitized schist
 - Silicified and sericitized schist
 - Greenstone and green schist undifferentiated
 - Quartz porphyry
 - Contact dashed where inferred
 - Fault or fault zone
 - Dip of schistosity
 - Quartz vein

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VERTICAL SECTION E-E'
ALONG NO 3 SHAFT
PENN MINE
CALAVERAS COUNTY CALIFORNIA
GEOLOGY BY
GR HEYL, D.G WYANT, M.W COX
1944-1945

SCALE
0 20 40 100 200 Feet
Elevation datum Sea level



EXPLANATION

SEDIMENTARY AND VOLCANIC ROCKS

QUATERNARY

- Qal Alluvium
- Qv Terrace gravel, sand, and volcanic ash

TERTIARY

- Tg Gravel, sandstone, mudstone, and limonite rock
- Unconformity
- JURASSIC
- Jo Amador group: low grade metamorphosed volcanics
- Qc Quartz crystal tuff
- Qob Metabasalt, including pillow lava

INTRUSIVE ROCKS

- Felsite
- Qpp Quartz porphyry breccia
- qp quartz porphyry

ALTERED ROCKS

- sl Silicified rock
- S-si Sericitized silicified rock
- ser Sericitized rock

MISCELLANEOUS ROCKS

- go Gossan
- q Quartz veins

- Contact observed inferred concealed
- Fault showing dip observed inferred
- Altitude of bed
- Altitude of schistosity plunge of lineation
- Vertical schistosity
- Dip of quartz vein
- Shall
- Adn
- Pit and dump
- Trench
- Building
- Triangulation point

GEOLOGIC MAP
OF THE

GRAYHOUSE AREA
AMADOR COUNTY, CALIFORNIA

GEOLOGY BY

G. R. HEYL AND M. H. STAATZ

TOPOGRAPHY BY

M. W. COX, D. G. WYANT AND M. H. STAATZ

TRIANGULATION BY

M. H. STAATZ AND M. W. COX

1943-1945

SCALE

0 100 200 400 800 Feet

Contour interval 10 feet
Elevation datum Sea level
Coordinates refer to Penn mine area tri-
angulation system

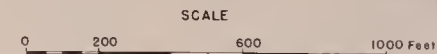
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GEOLOGIC MAP
OF THE
COPPEROPOLIS DISTRICT
COPPEROPOLIS, CALAVERAS COUNTY, CALIFORNIA

BY
G. R. HEYL AND J. B. HADLEY

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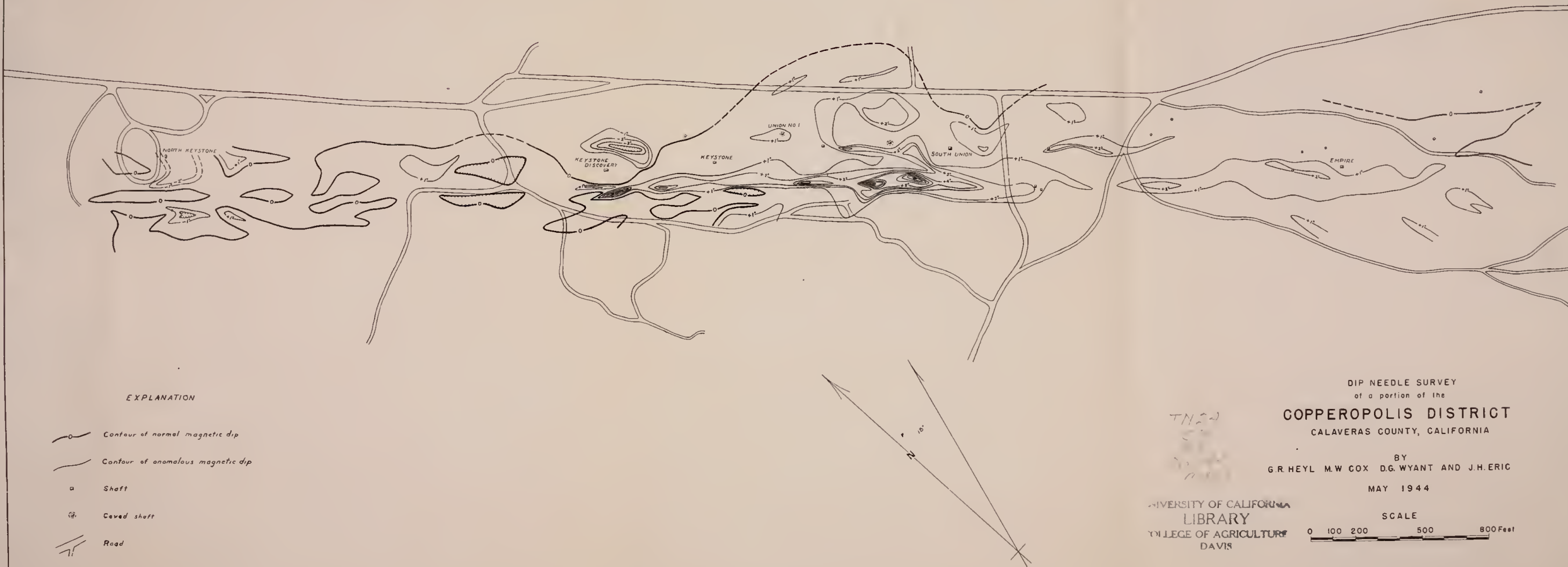


EXPLANATION

- | | | | |
|--|--|--|--|
| | Gossan | | Contact, dashed where approximately located |
| | Quartz vein | | Fault showing dip dashed where approximately located |
| | Chloritized rock | | Trace of individual bed |
| | Granodiorite | | Strike and dip of beds |
| | Diorite and quartz diorite | | Vertical beds |
| | Hornblende | | Strike and dip of cleavage or schistosity |
| | Hornblende breccia | | Vertical cleavage or schistosity |
| | Sausseritized gabbro | | Caved shaft |
| | Serpentine | | Pit or trench |
| | Talc schist | | Shaft |
| | Small dikes, type indicated by letter symbol | | Dump |
| | Argillaceous slate | | |
| | Schist and greenstone of volcanic origin, with slaty tuff intercalations | | |
| | Bedded hornstone, tuff, and volcanic breccia | | |

NW END OF AREA

SE END OF AREA



DIP NEEDLE SURVEY
of a portion of the

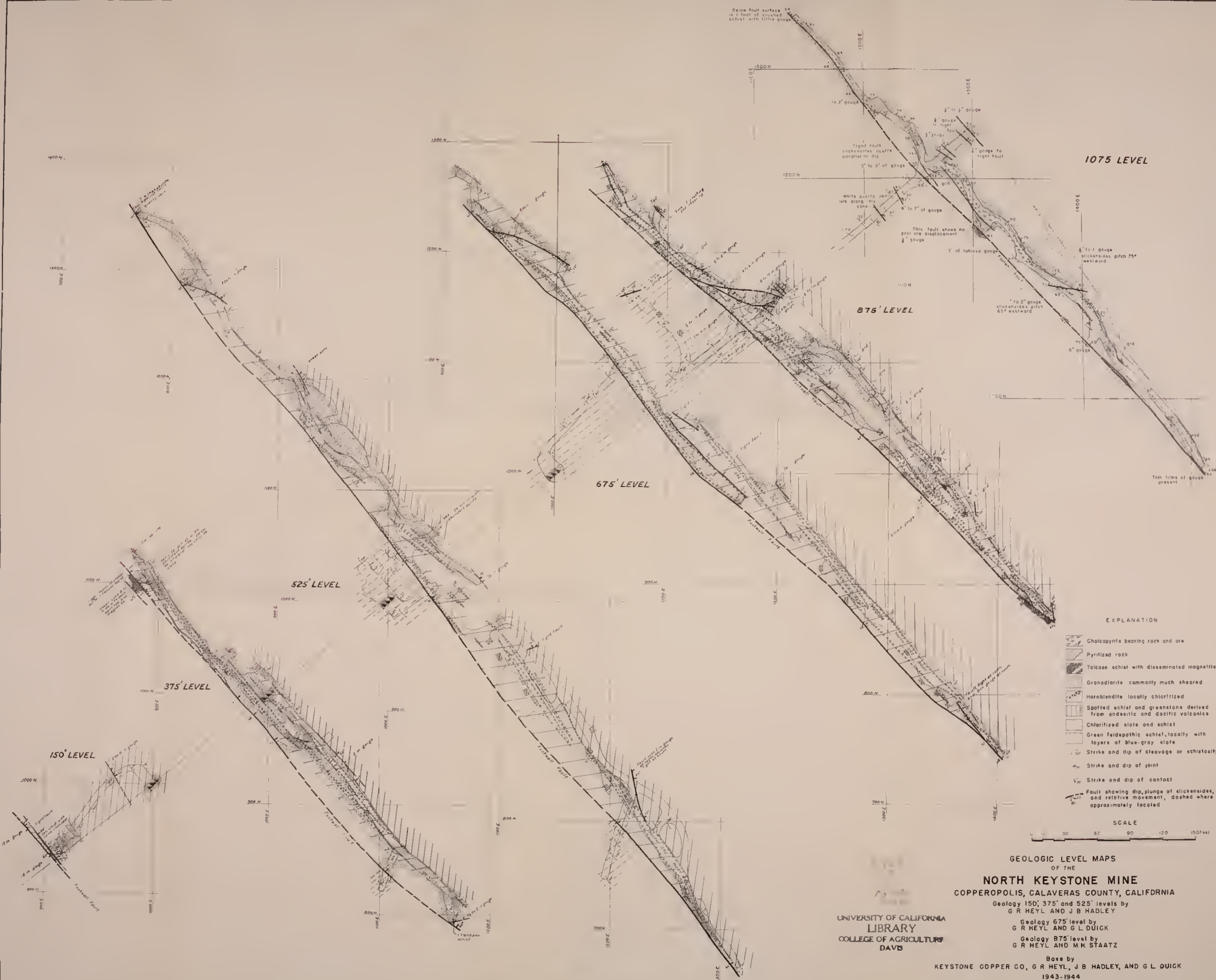
COPPEROPOLIS DISTRICT
CALAVERAS COUNTY, CALIFORNIA

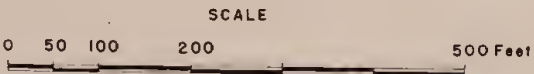
BY
G.R. HEYL M.W. COX D.G. WYANT AND J.H. ERIC
MAY 1944

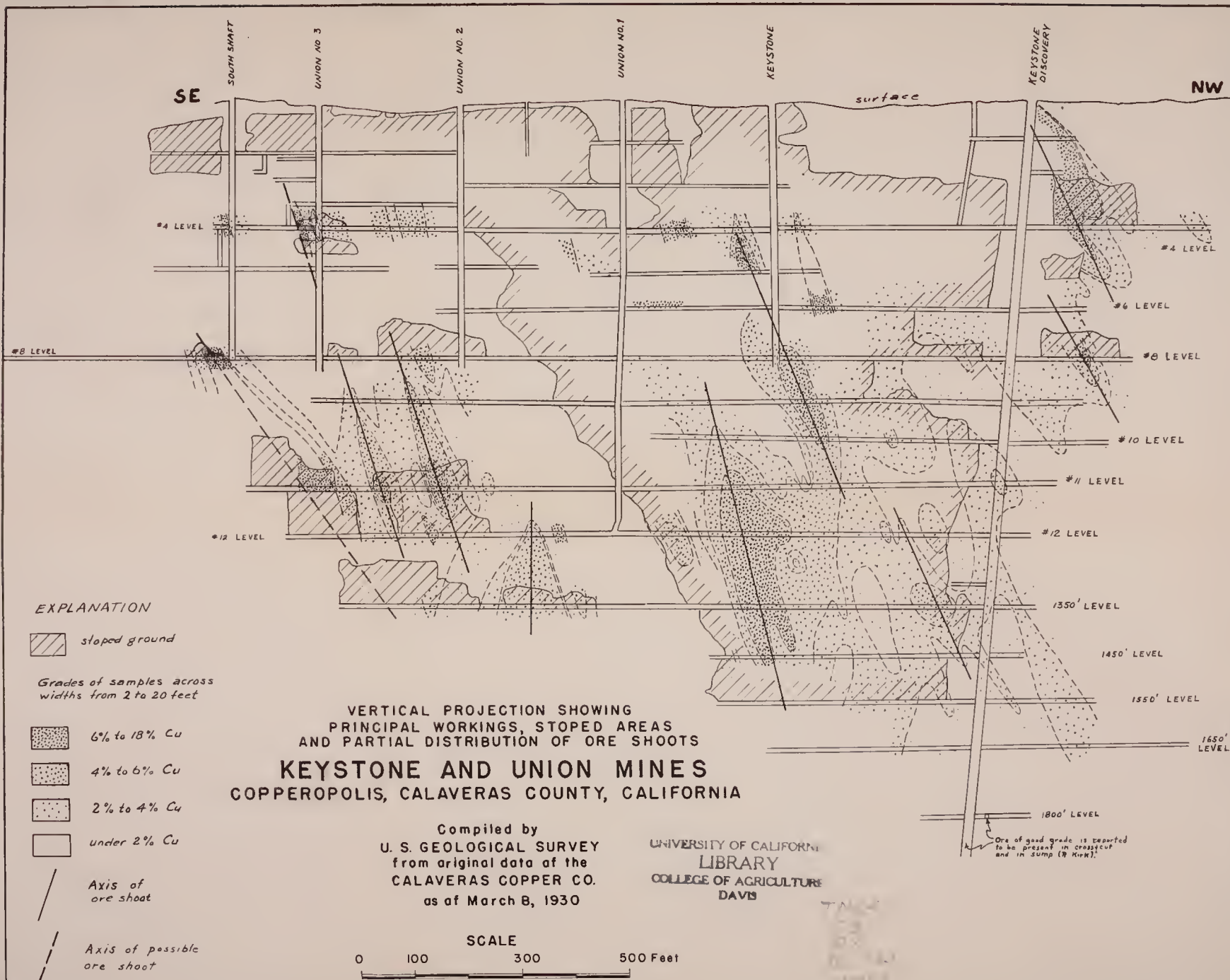
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SCALE

0 100 200 500 800 Feet

















GEOLOGIC MAP AND SECTION
OF THE
EMPIRE TUNNEL
COPPEROPOLIS, CALAVERAS COUNTY, CALIFORNIA

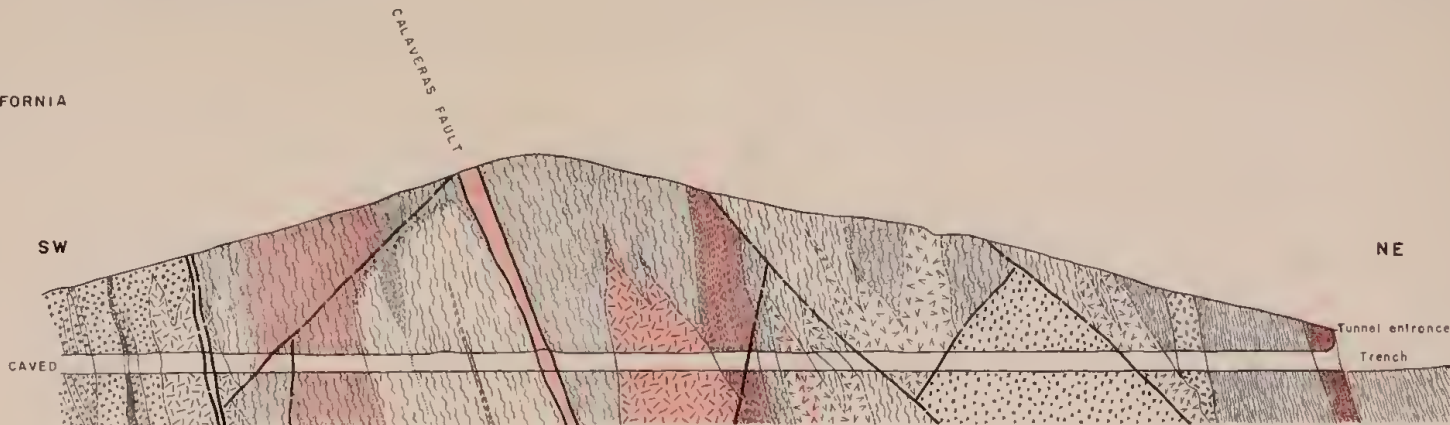
BY
G. R. MEYER AND M. W. COX

NOVEMBER 1943

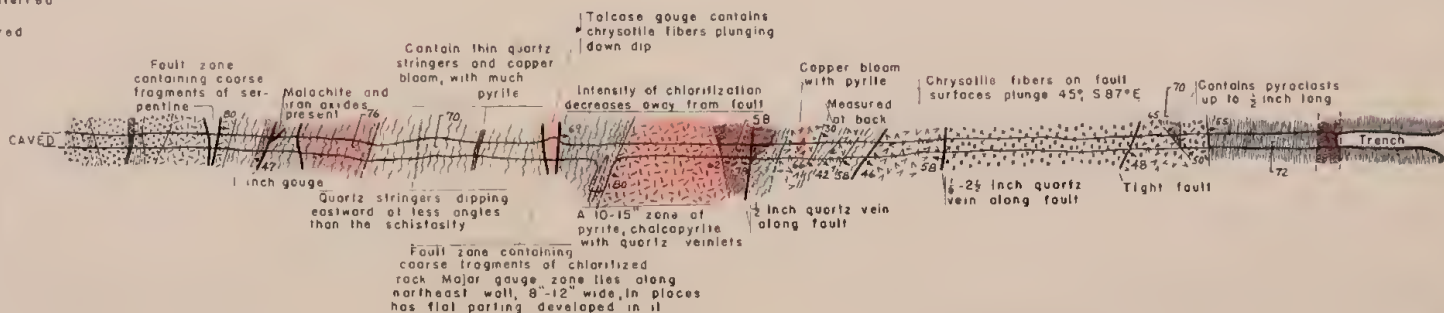
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DAVIS

EXPLANATION

-  Zone of quartz veins
-  Pyritized rock
-  Chloritized rock
-  Granodiorite
-  Hornblende diorite
-  Hornblendite
-  Schistose (sheared) saussuritized gabbro
-  Saussuritized gabbro
-  Serpentine
-  Felsite
-  Slaty pyroclastics
-  Slate
-  Green schist
-  Contact, showing dip, dashed where inferred
-  Fault, showing dip, dashed where inferred
-  Attitude of cleavage or schistosity



SCALE



GEOLOGIC MAP OF QUAIL HILL MINE AREA CALAVERAS CO. CALIFORNIA

BY
C.M. GILBERT J.B. HADLEY G.R. HEYL
U.S. GEOLOGICAL SURVEY

1945

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EXPLANATION


 Gossan and pyritized rock

INTRUSIVE ROCKS

 Diabase porphyry and diabase

 Felsite porphyry

 Felsite

 Quartz porphyry breccia


VOLCANIC ROCKS


 Bedded tuffs with intercalated dacite and diabase


 Basaltic flows and volcanic breccia


 Light-colored bedded tuff


 Dacite and andesite flows


 Contact

 Contour line

 Strike and dip of beds

 Strike and dip of schistosity

 Strike and dip of joint


 Anticlinal axis showing plunge


 Synclinal axis showing plunge

 Road

 Shaft

 Caved shaft

 Small pit

 Open cut

 Adit and trench

 Mine dump

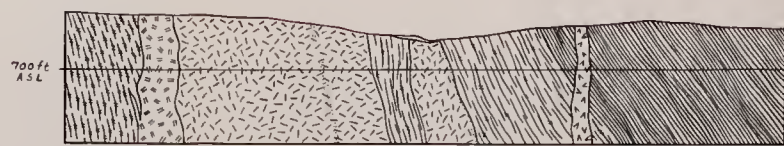
SCALE

0 100 200 500 FEET

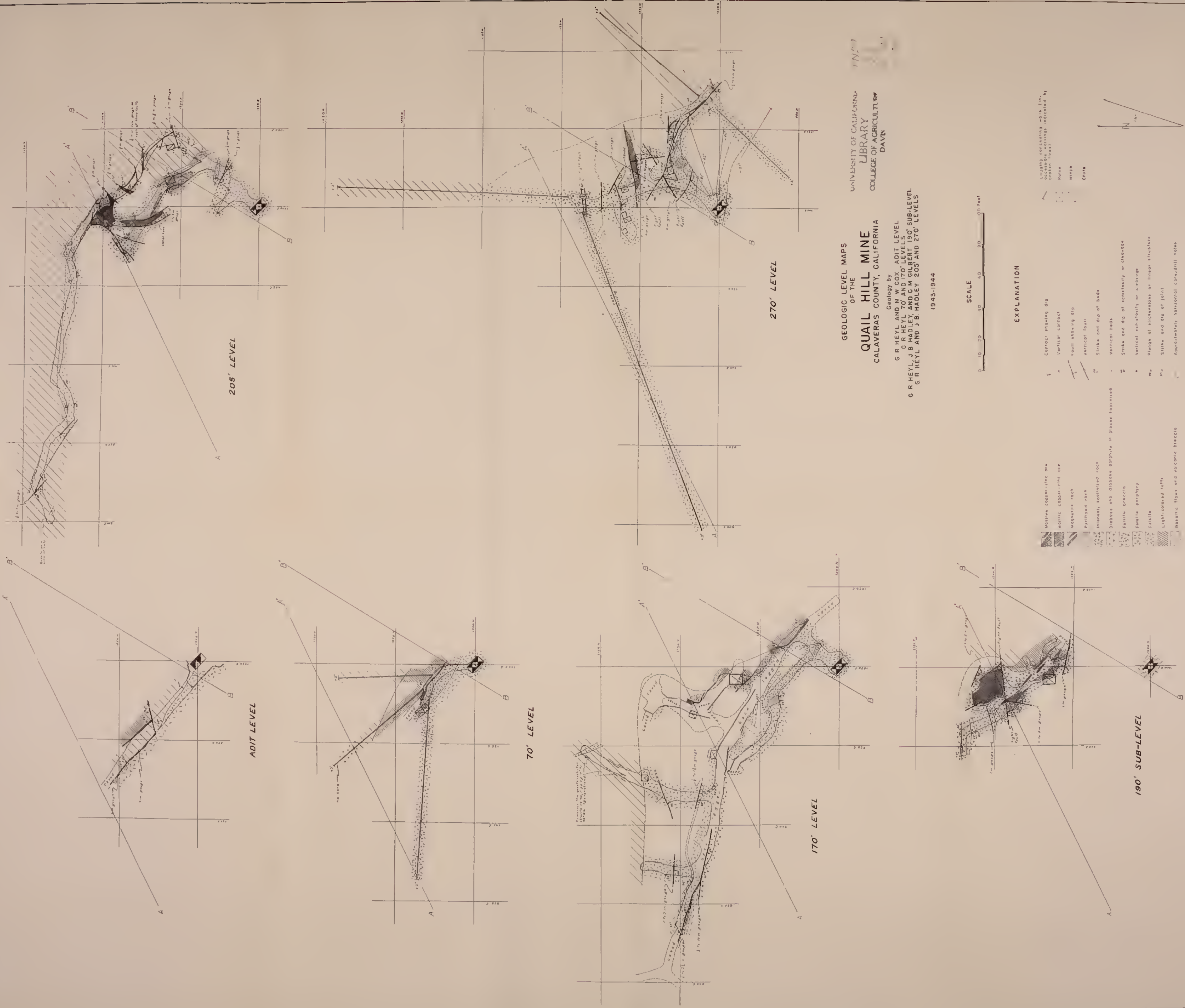
Contour interval 20 feet
Datum approximate sea level

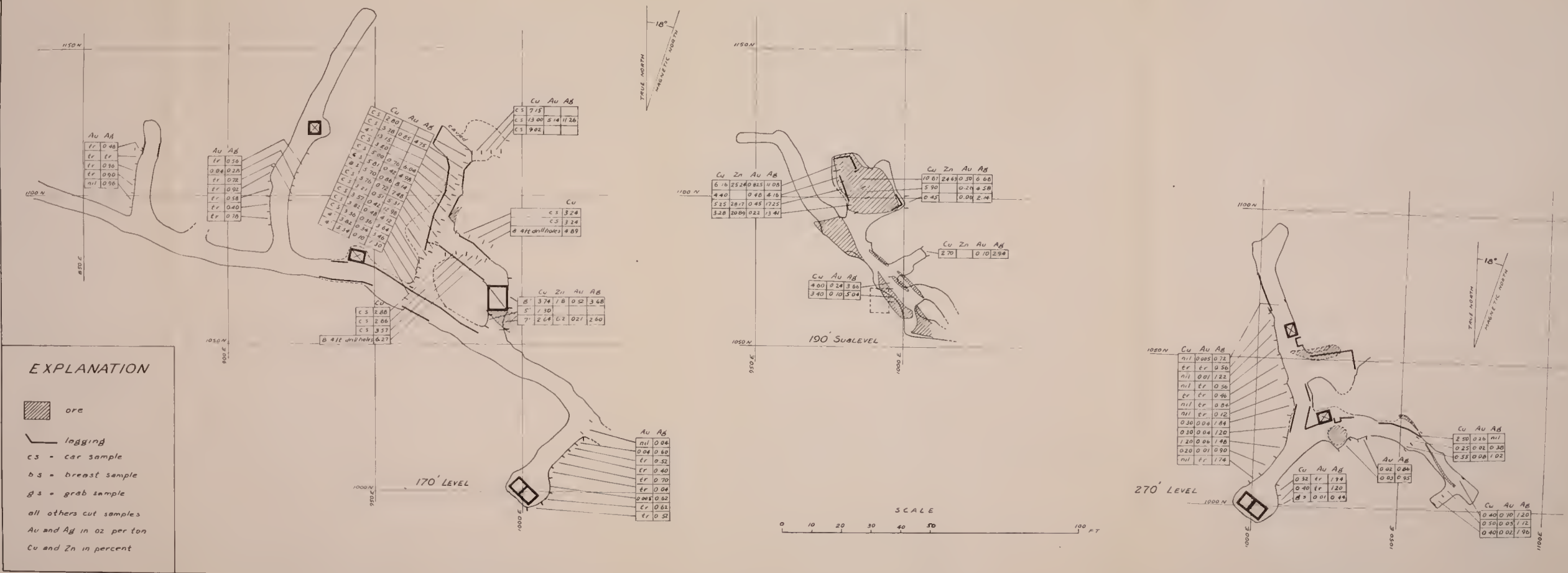
SW

NE



GEOLOGIC SECTION Y-Y'

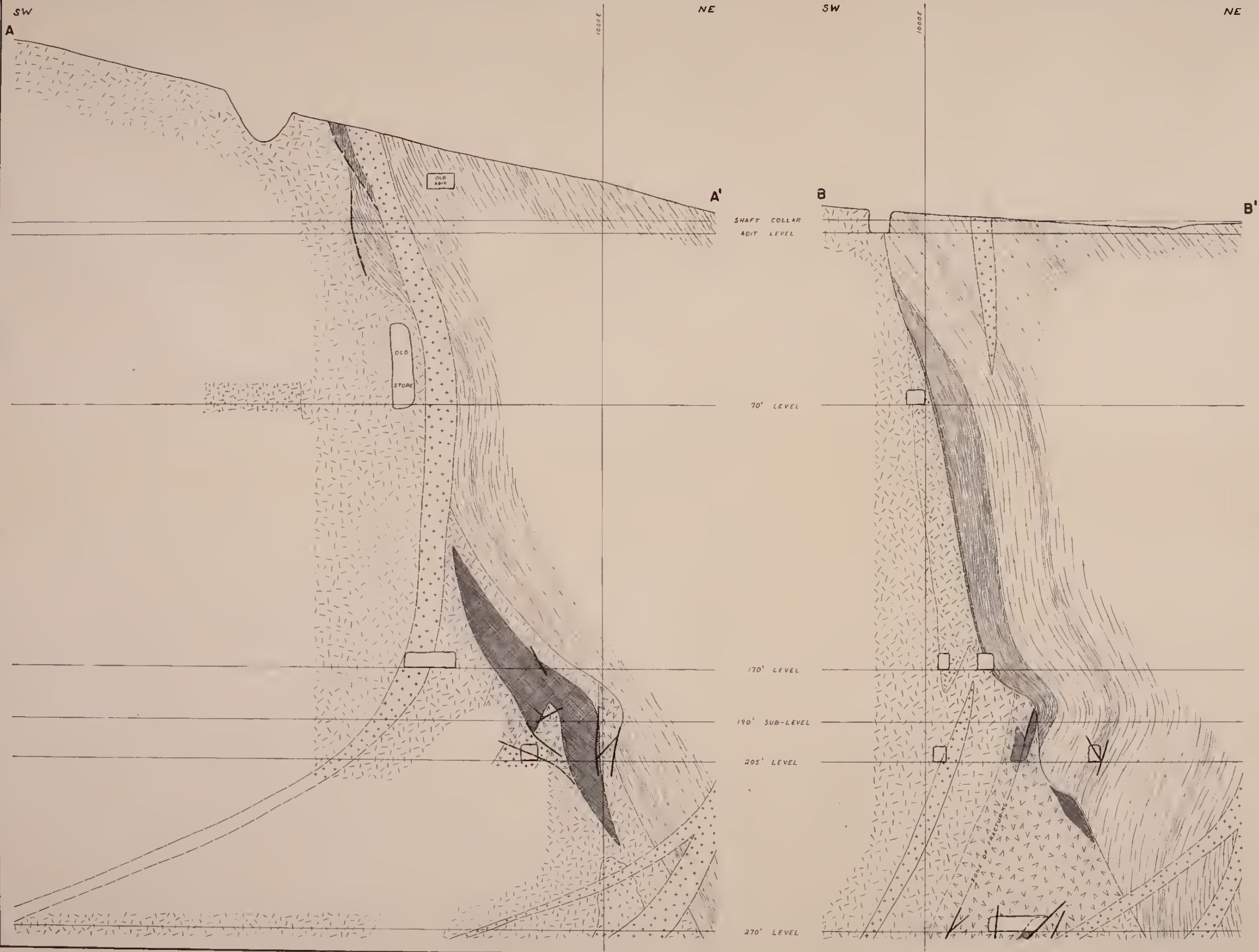




Base by U.S. Geological Survey, 1943

ASSAY MAP OF THE QUAIL HILL MINE BASED ON DATA FROM THE PACIFIC MINING CO. AND OTHER SOURCES

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GEOLOGIC SECTIONS
THROUGH

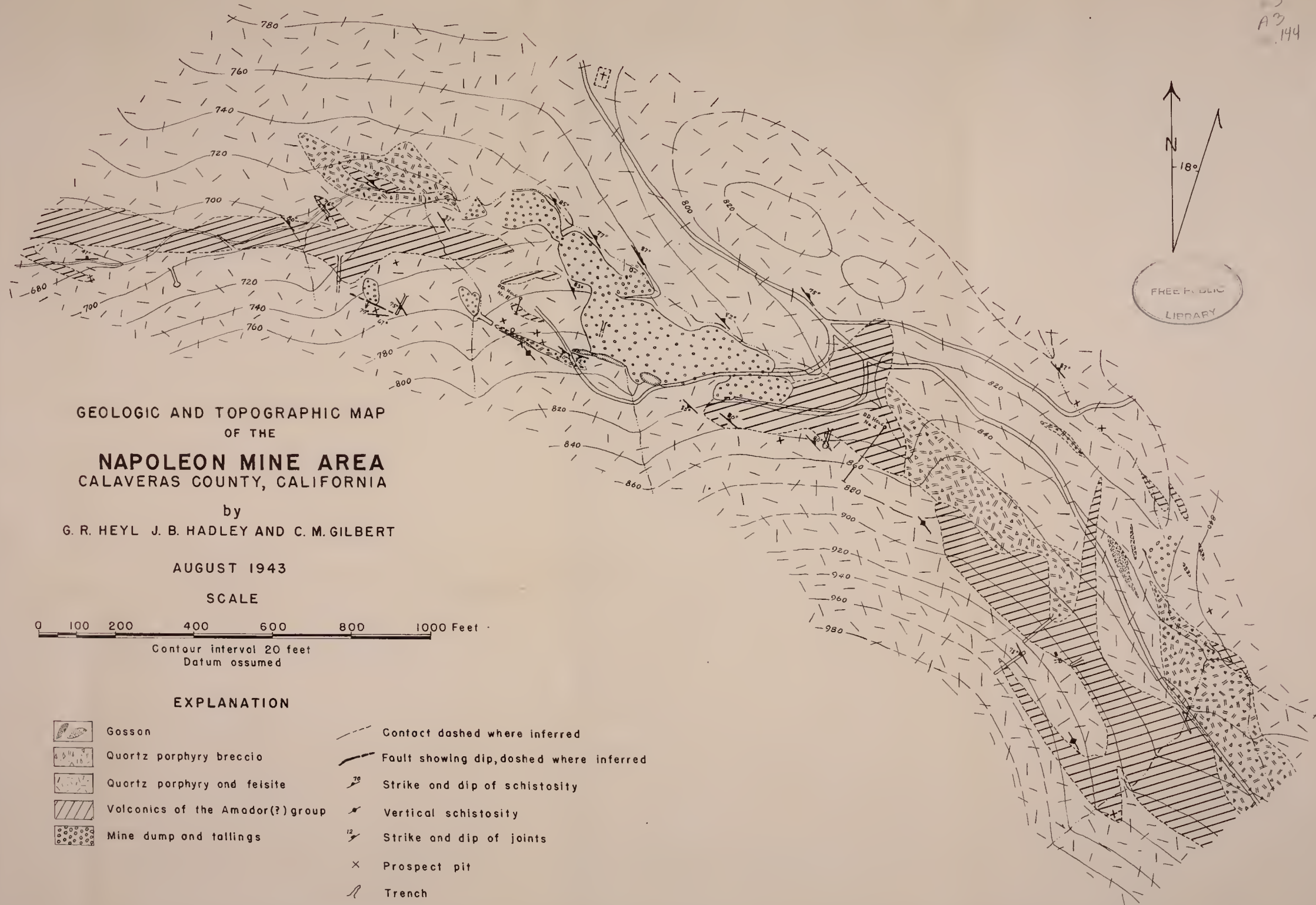
QUAIL HILL MINE
CALAVERAS COUNTY, CALIFORNIA

BY
G. R. HEYL
1944

SCALE
0 10 20 40 60 80 100 Feet

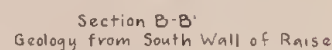
- EXPLANATION
- Massive and baritic copper-zinc ore (mostly stoped out)
 - Magnetite rock
 - Pyritized rock
 - Intensely kaolinized felsite
 - Diabase and diabase porphyry, in places kaolinized
 - Felsite breccia
 - Felsite porphyry
 - Felsite
 - Light-colored tuffs
 - Basaltic flows and volcanic breccia
 - Contact
 - Fault
 - Mine workings











1N24
A3
144



JANUARY 1944

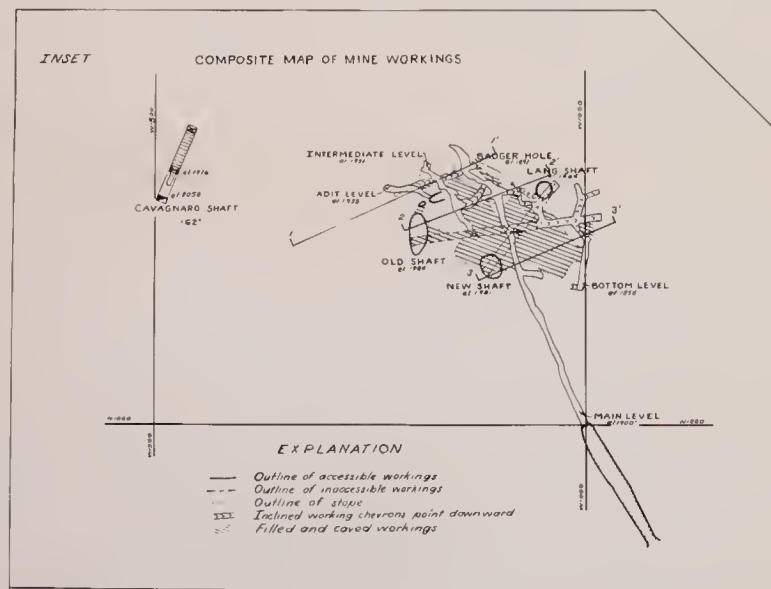
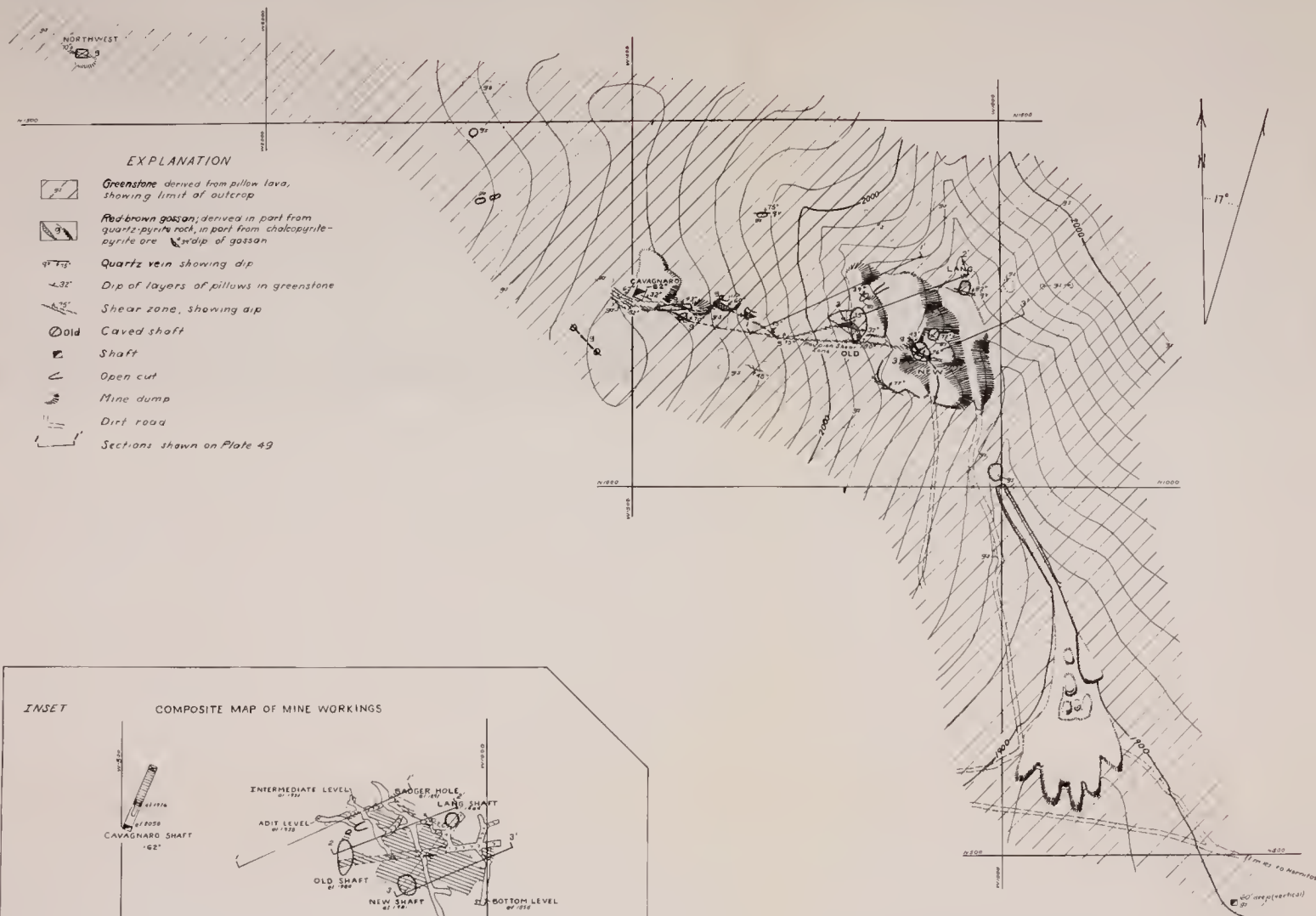
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- | | |
|---|---|
|  | Ore: sphalerite, pyrite, chalcopyrite, barite gangue. |
|  | Barite rock, with minor amounts of sulphides. |
|  | Pyritized rock |
|  | Felsite, locally with feldspar phenocrysts |
|  | Amygdaloidal greenstone. |
|  | Fine grained bedded tuff |
|  | Strike and dip of beds. |
|  | Strike and dip of schistosity. |
|  | Fault showing dip and plunge of slickensides. |
|  | Vertical Fault. |

Nodules of red jasper in
altered felsite in fault
zone





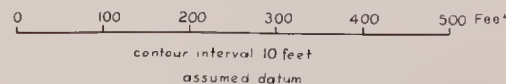
GEOLOGIC MAP
OF
LA VICTORIA MINE
MARIPOSA COUNTY, CALIFORNIA

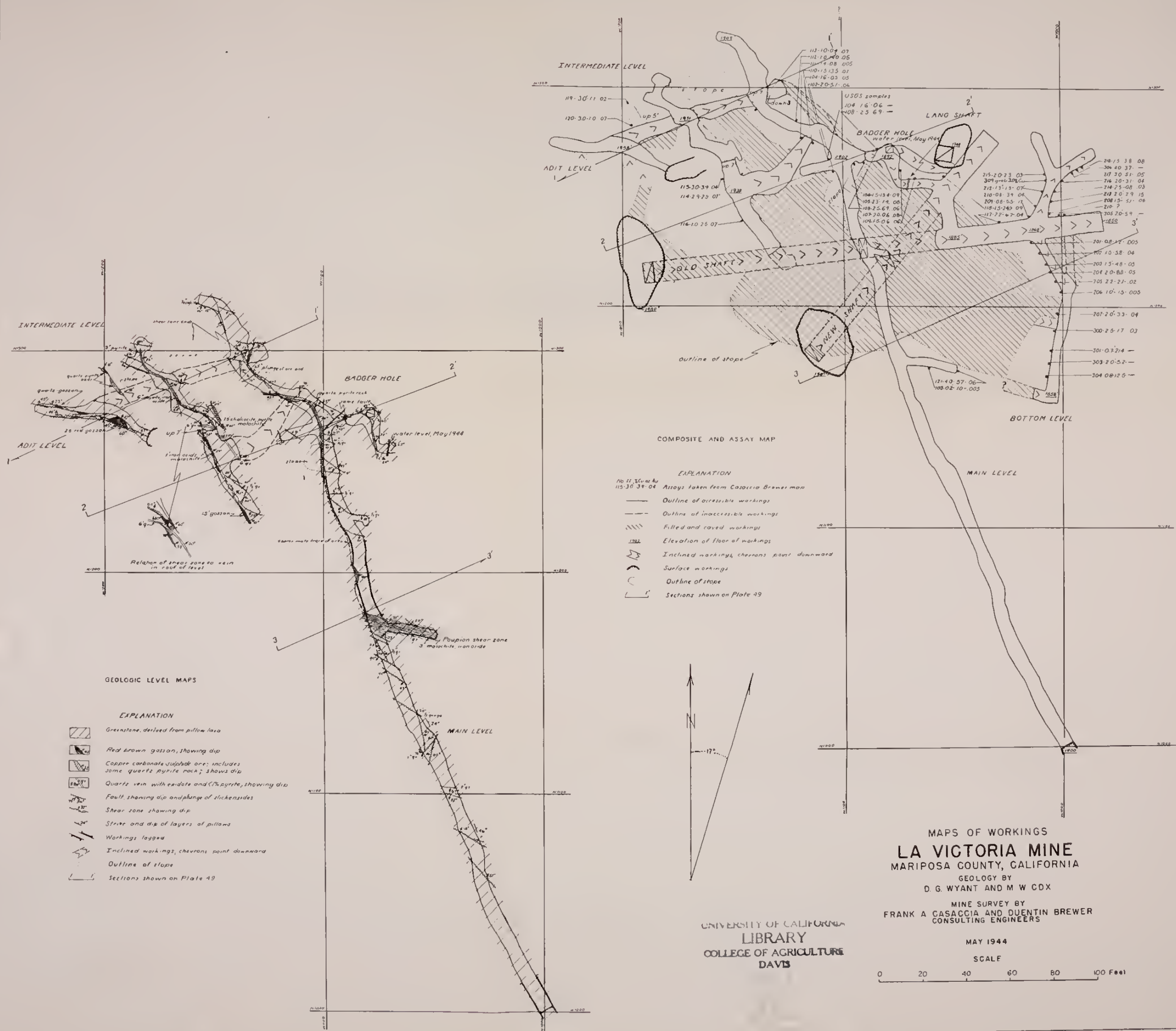
BY
D. G. WYANT AND M. W. COX

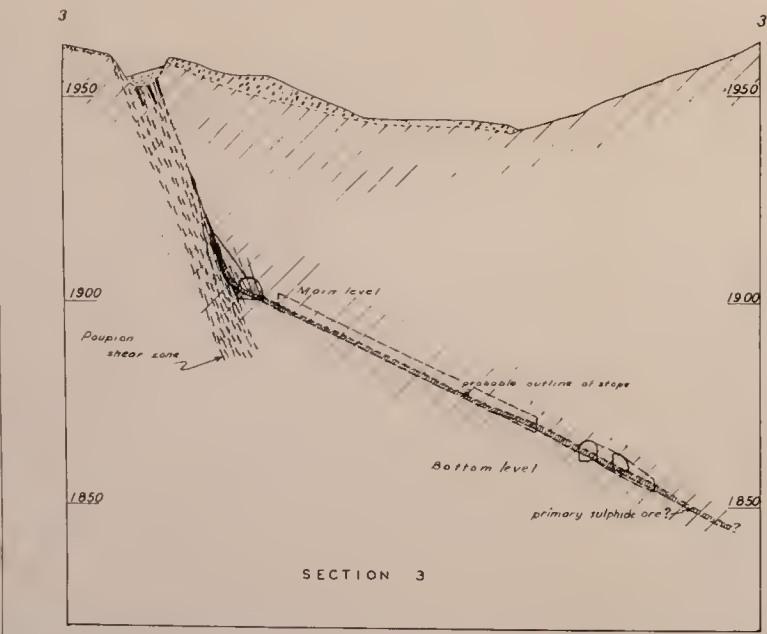
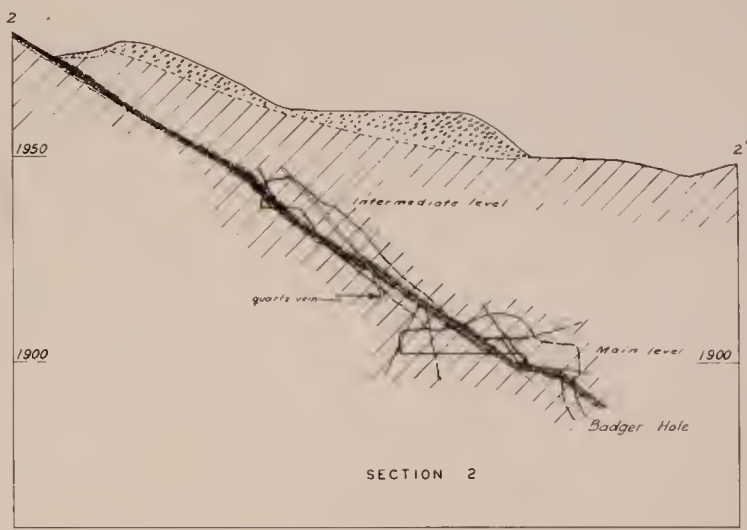
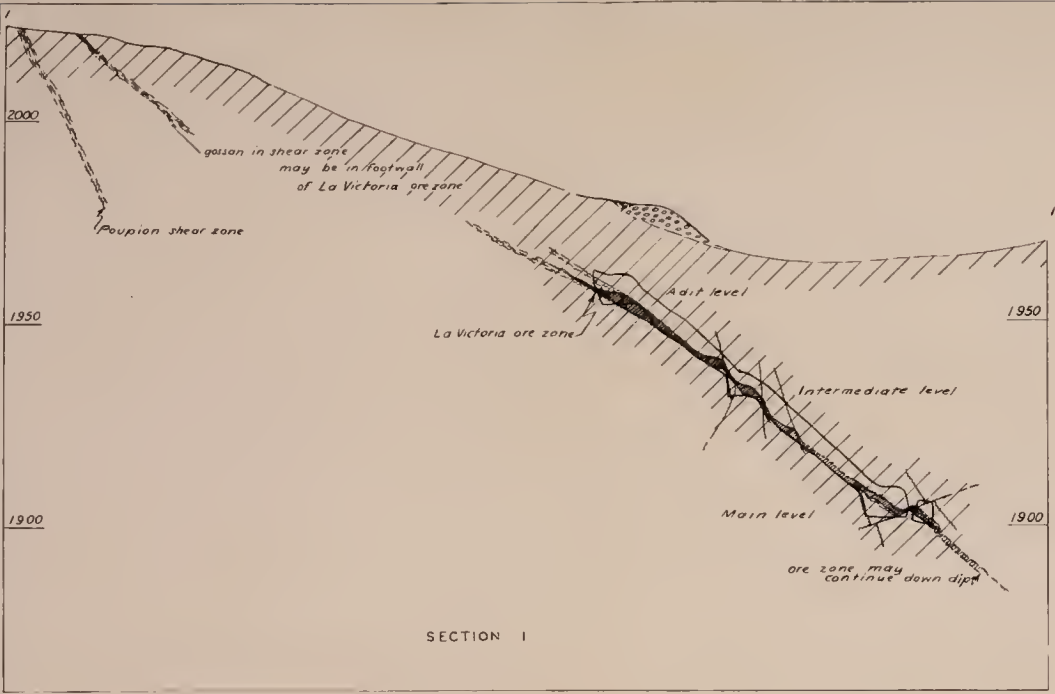
MAY 1944

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SCALE







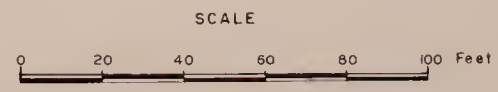
- EXPLANATION
- Greenstone derived from pillow lava
 - Red-brown gossan
 - Copper carbonate-sulphate ore, includes some quartz, pyrite, etc.
 - Fault
 - Shear zone
 - Mine dump

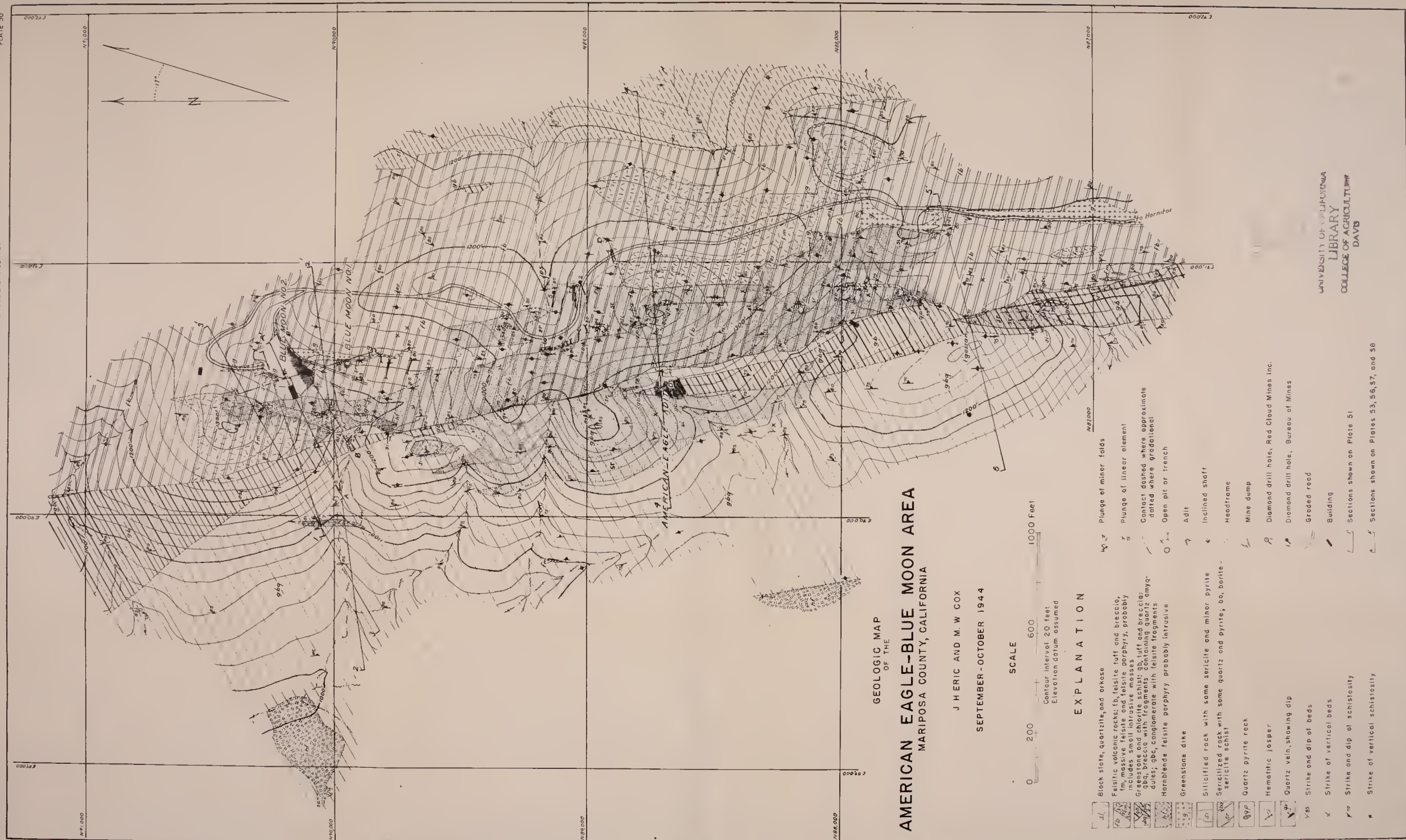
SECTIONS
LA VICTORIA MINE
MARIPOSA COUNTY, CALIFORNIA

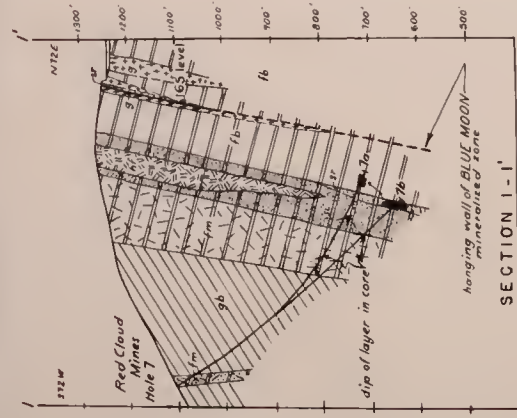
BY
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MAY 1944

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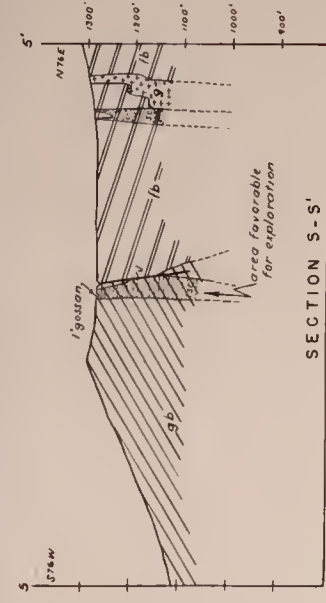
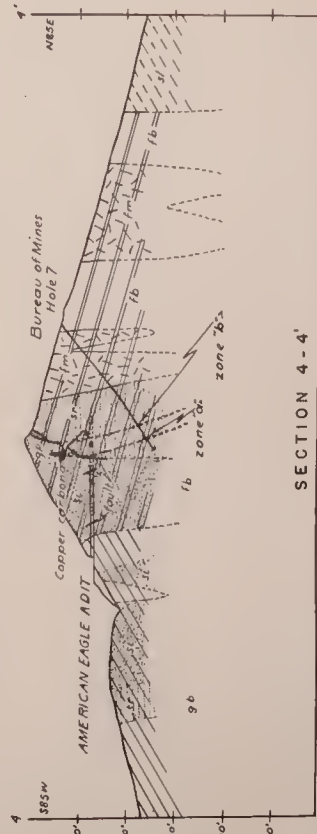
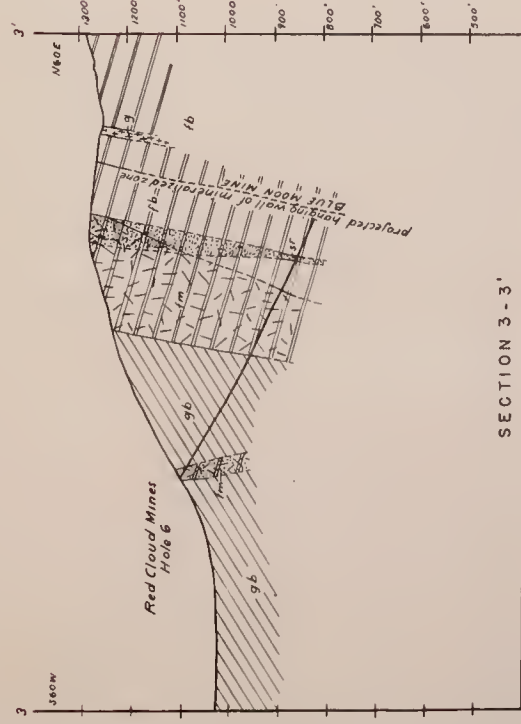
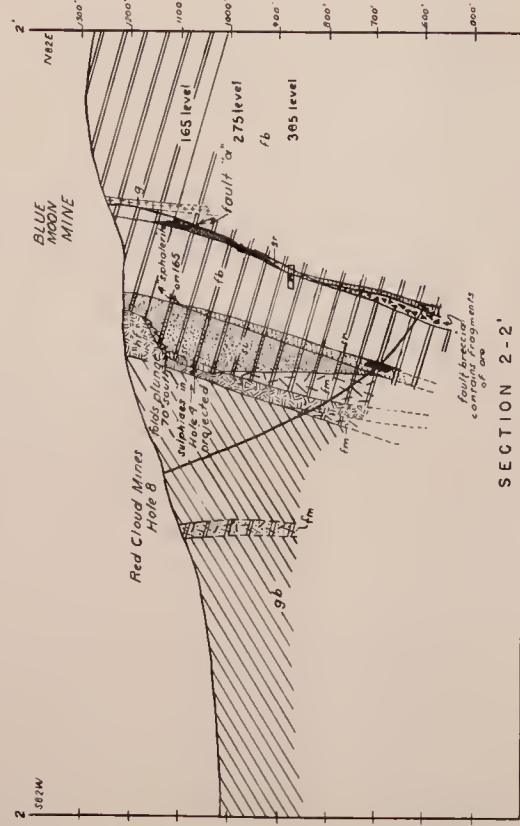






EXPLANATION FOR SECTIONS

	Block slate quartzite and orkose
	Felsite tuff and breccia
	Massive felsite
	Greenstone and chlorite schist
	Hornblende felsite porphyry
	Greenstone dike
	Silicified rock
	Sericitized rock
	Quartz-pyrite rock
	Hematitic jasper
	Zinc ore
	Fault breccia



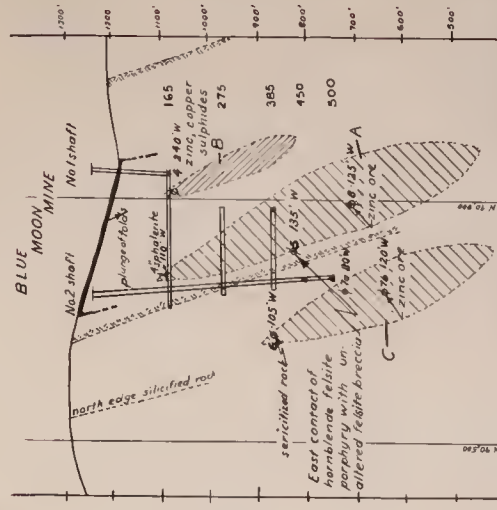
SECTIONS AND VERTICAL PROJECTION AMERICAN EAGLE-BLUE MOON AREA MARIPOSA COUNTY, CALIFORNIA

BY
J. H. ERIC AND M. W. COX

OCTOBER 1944



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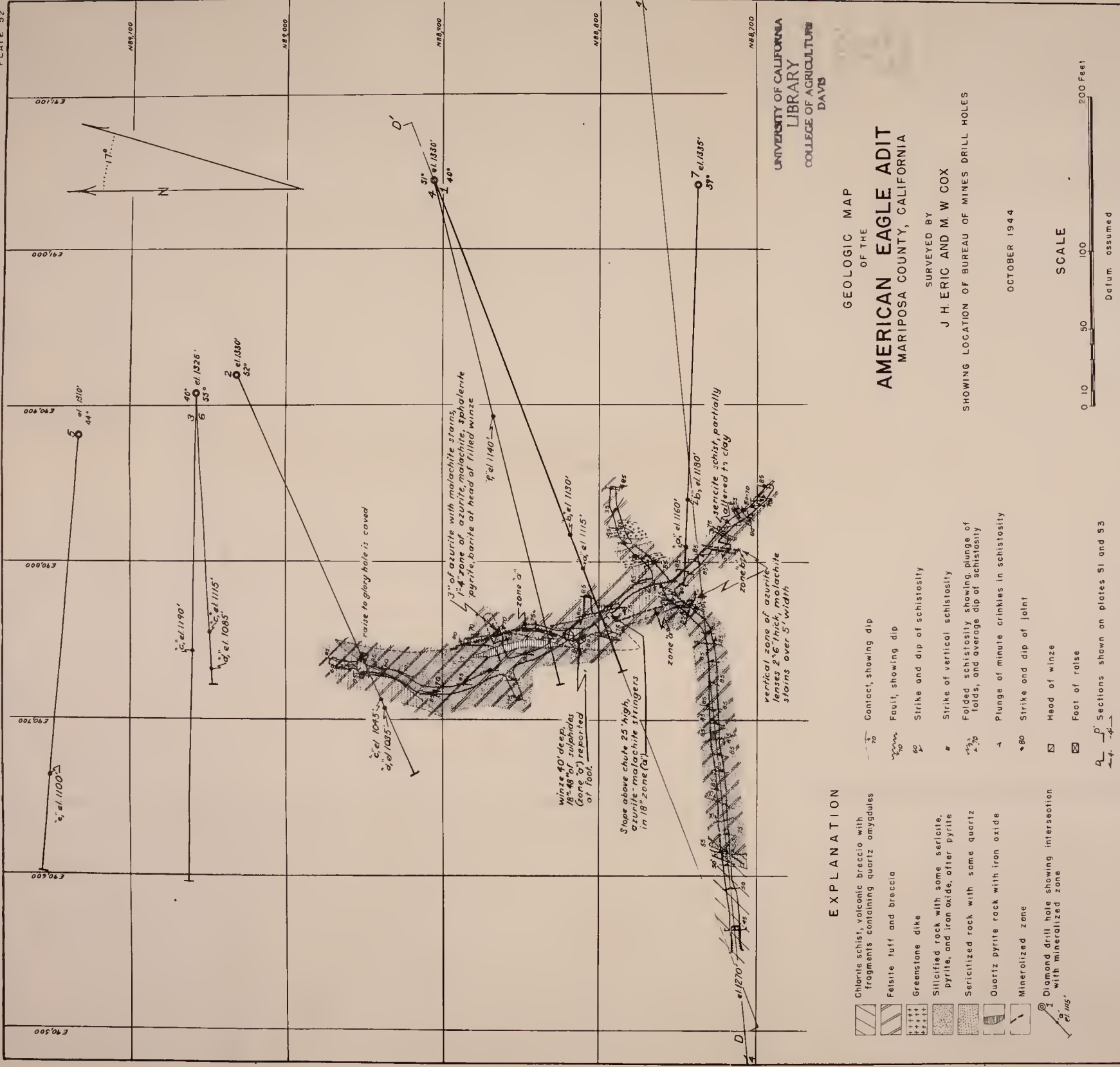


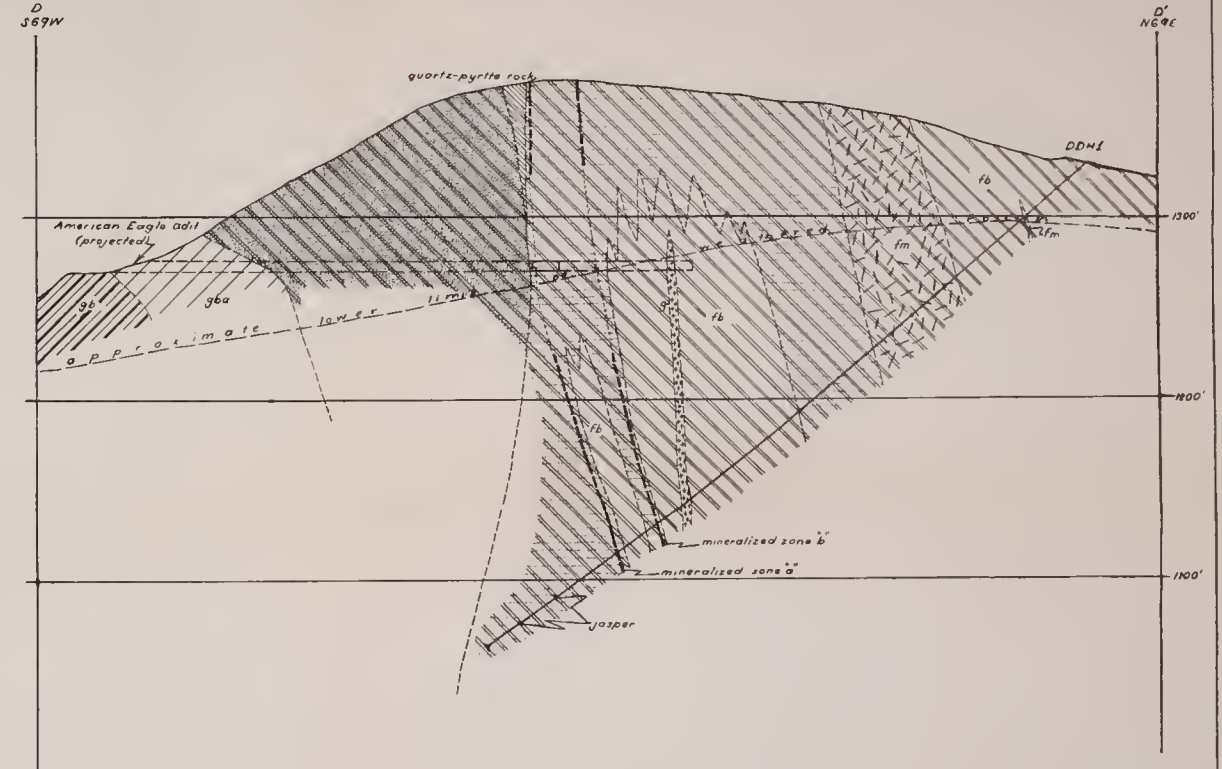
Two surveys of vertical angles in hole 7 failed to agree. The two possible positions of hole 7, assuming no horizontal deviation, are shown in the vertical projection and section 1-1'.

VERTICAL PROJECTION OF POSSIBLE MINERALIZED AREAS, WEST SILICIFIED ZONE

EXPLANATION FOR PROJECTION

	Mineralized area at east edge of silicified rock
	Mineralized area at west edge of silicified rock
	Point intersected by drill hole B, 125' west of no. 1 ore body
	Limits of hornblende felsite porphyry
	North trending part of east edge of silicified rock
	Area described in text





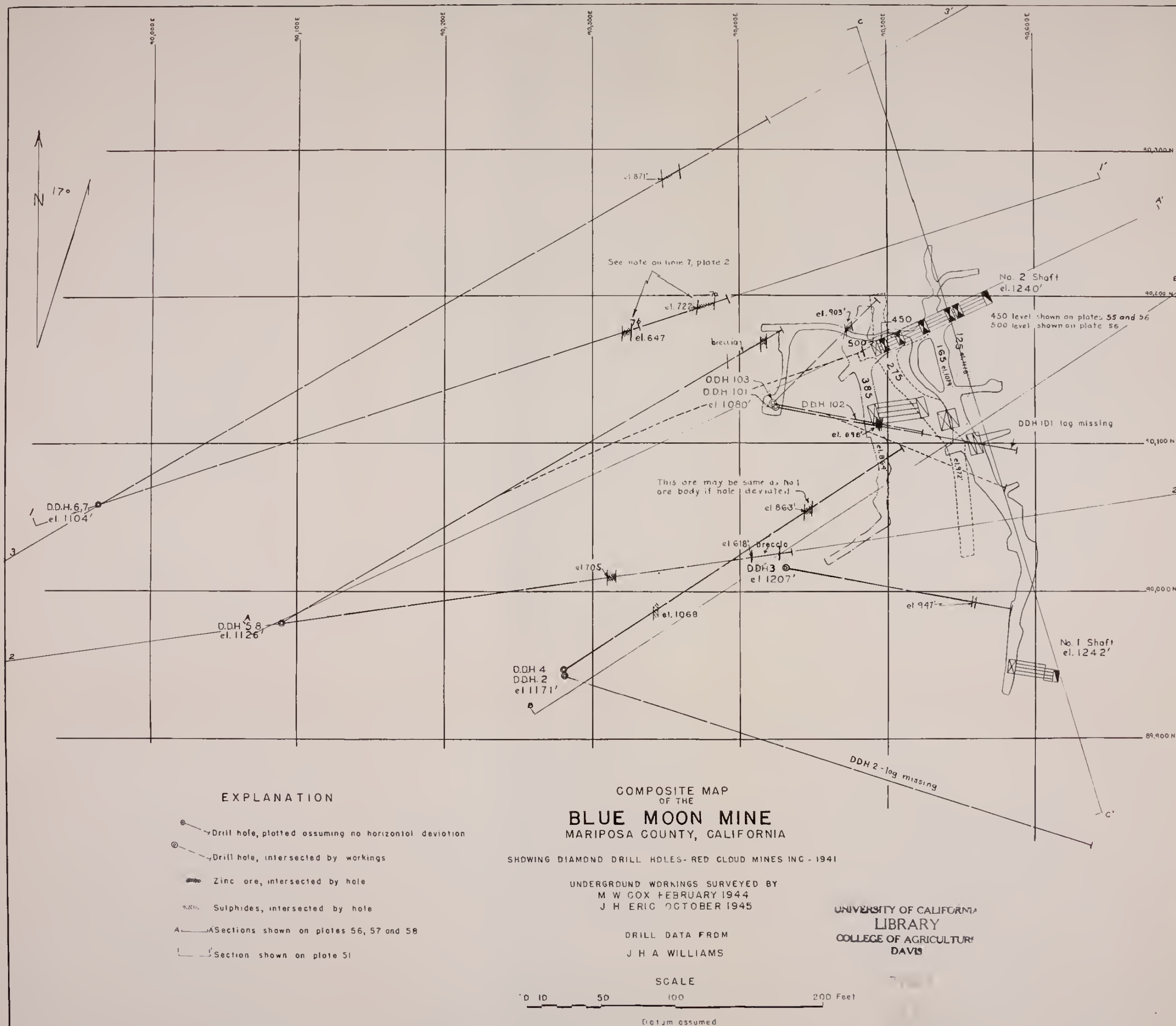
SECTION D-D'

	Felsic tuff and breccia
	Massive felsite
	Green schist, volcanic tuff and breccia
	Green schist; breccia fragments contain quartz omygdulites
	Greenstone dike
	Silicified rock
	Sericitized rock
	Quartz-pyrite rock
	Mineralized zone

SCALE

0 40 80 120 200 Feet

Datum assumed











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GEOLOGIC LEVEL MAPS
OF THE
BLUE MOON MINE
MARIPOSA COUNTY, CALIFORNIA

SURVEYED BY
M. W. COX AND J. H. ERIC

1944-1945

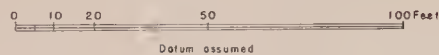
EXPLANATION

-  Zinc ore; sphalerite with pyrite in sericite-barite gangue, more than 25% sulphide
-  Low grade schistose ore: sericite schist containing sphalerite, pyrite, and barite
-  Sericite schist containing numerous films of pyrite
-  Felsite tuff and breccia
-  Massive felsite breccia
-  Quartz sericite schist containing irregular masses of barite (felsite breccia)
-  Greenstone, non-schistose, pyritized and schistose near ore
-  Fault breccia containing angular fragments of ore and country rock

-  Contact, showing dip
-  Fault, showing dip
-  Vertical fault
-  Fault zone showing average dip of faults
-  Strike and dip of schistosity
-  Vertical schistosity

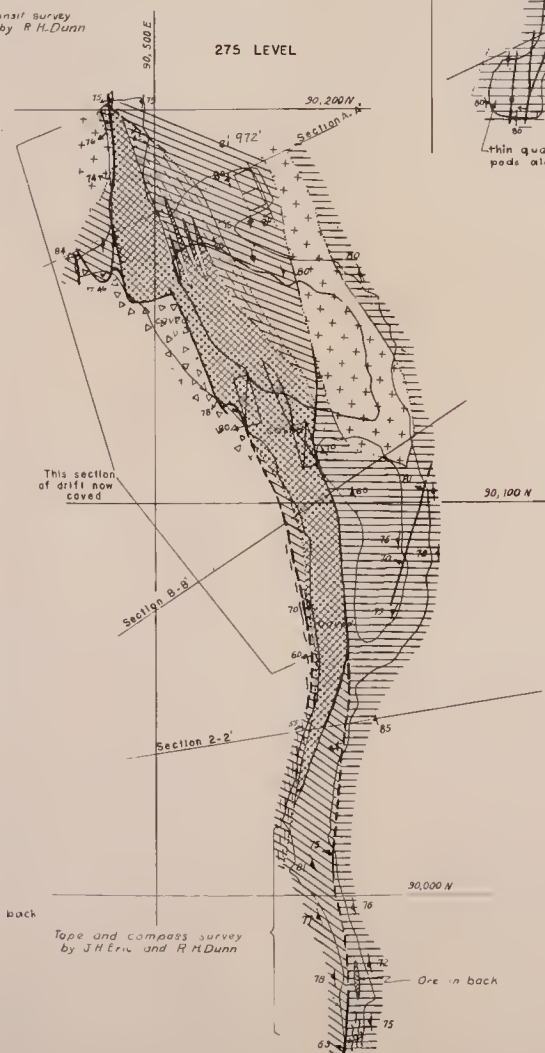
Main drifts are capped and logged in back
Ore and breccia contacts are drawn in part
from information furnished by mine foreman

SCALE

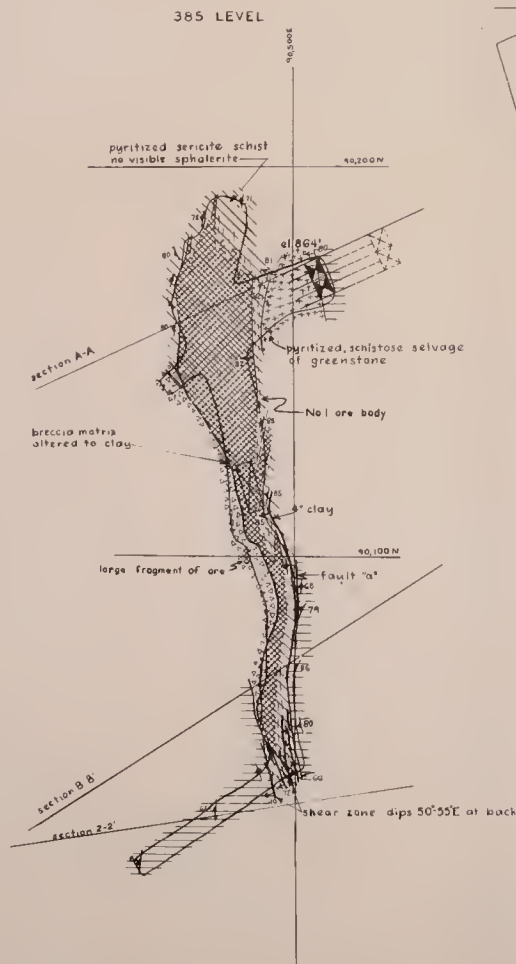


Transit survey
by R. H. Dunn

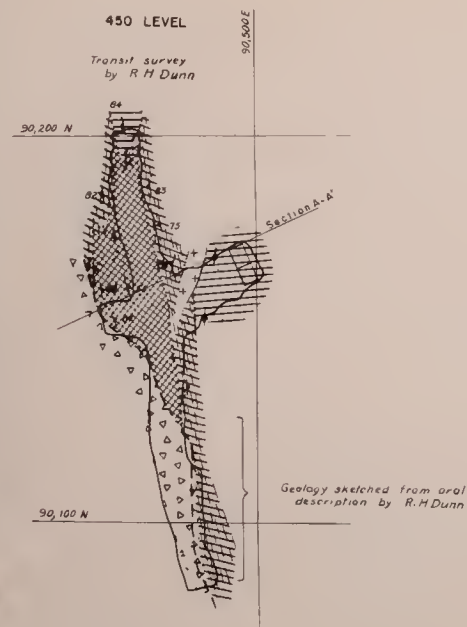
275 LEVEL



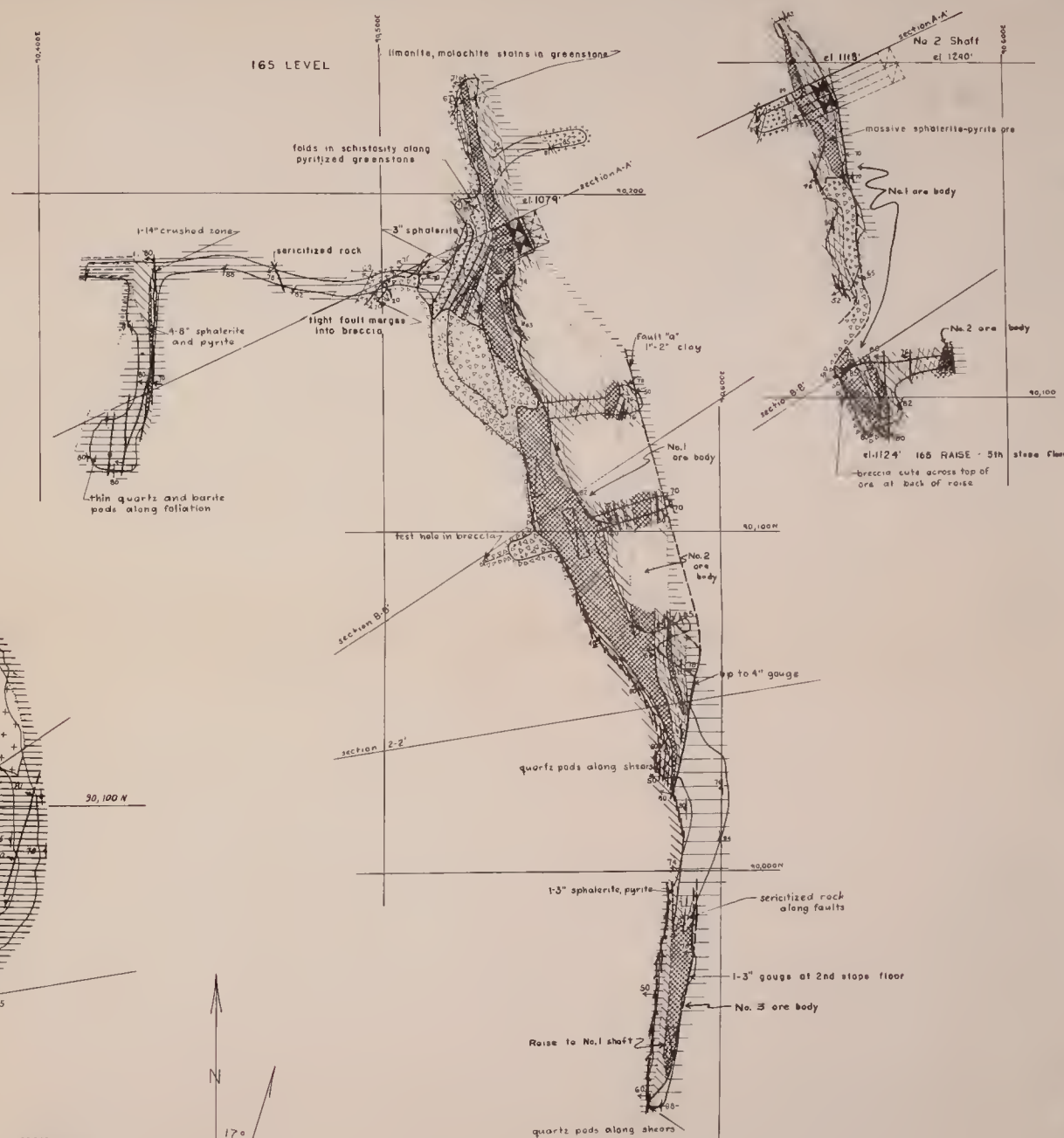
385 LEVEL



450 LEVEL

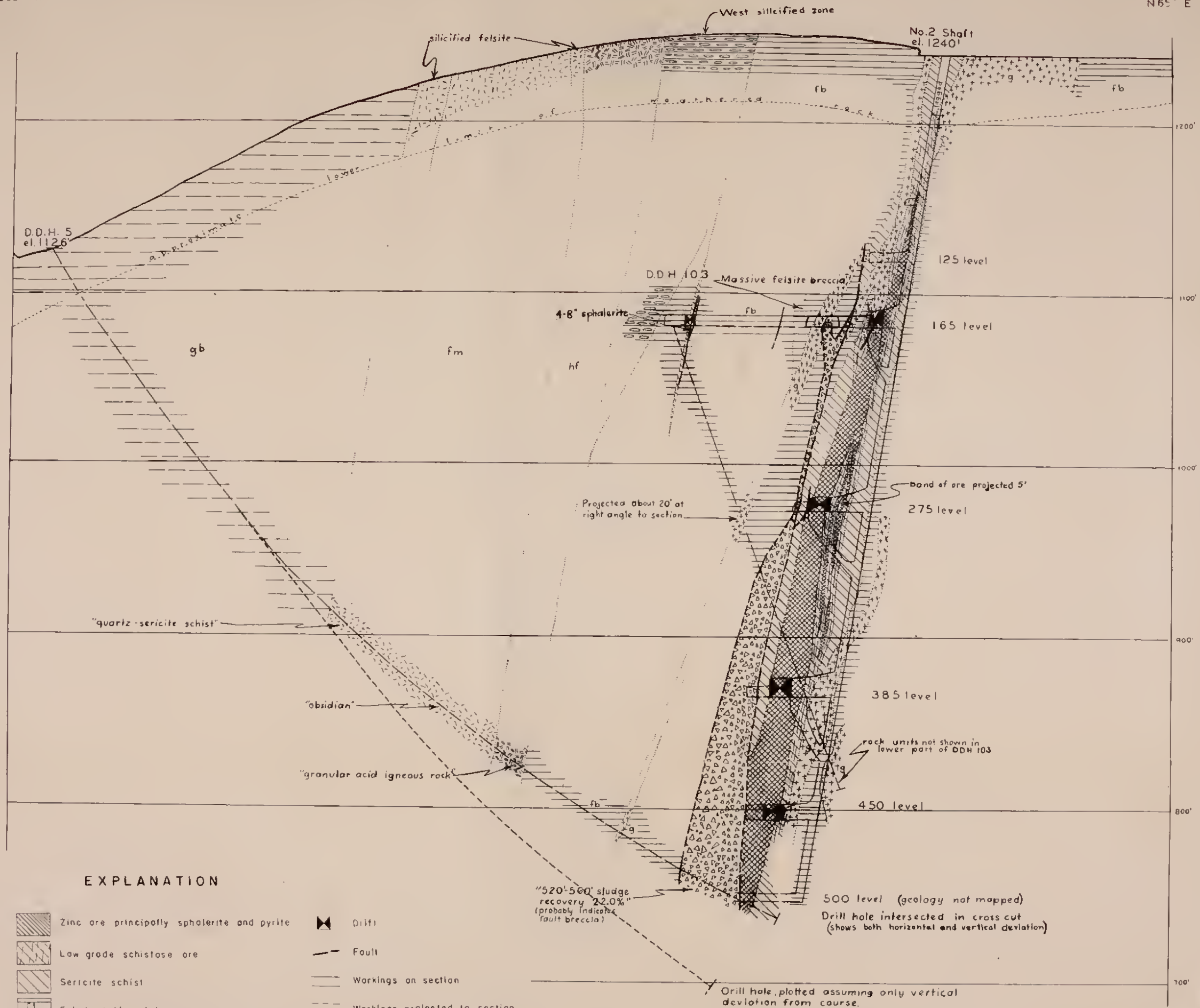


125 LEVEL



A
S65° W

A'
N65° E



EXPLANATION

- Zinc ore principally sphalerite and pyrite
- Low grade schistose ore
- Sericite schist
- Felsite tuff and breccia
- Quartz sericite schist (silicified breccia) on 165 level barite pods
- Greenstone dike
- Greenstone tuff and breccia
- Massive felsite
- Hornblende felsite porphyry
- Fault breccia

- Dike
- Fault
- Workings on section
- Workings projected to section

Notes in quotation marks taken from company geologist's logs

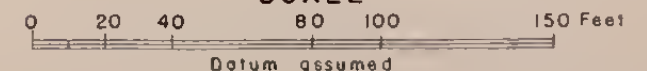
SECTION A-A'
LOOKING N 25° W

BLUE MOON MINE
MARIPOSA COUNTY, CALIFORNIA

BY
M. W. COX AND J. H. ERIC

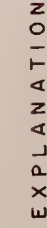
1944-1945

SCALE



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N 57° E
B'



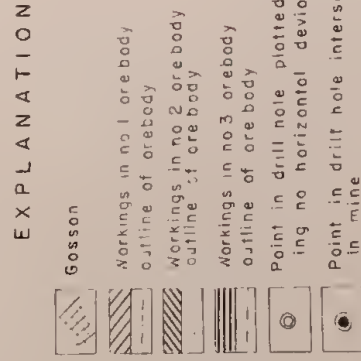
	Hornblende felsite porphyry
	Drift
	Fault
	Workings on section
	Workings projected to section

Notes in quotations are taken from company geologists' log

BY
M.W. COX
OCTOBER 19

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S 17° E
C.



Grosscut towards

Crosscut away from
observer

Workings in no 1 ore body

Workings in no 2 orebody
outline of orebody

Workings in no 3 orebody
outline of orebody

Point in drill hole plotted assuming no horizontal deviation

Point in drift hole intersected in mine

BLUE MOON MINE
MARIPOSA COUNTY, CALIFORNIA

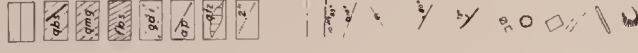
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SCALE
100 150 200 Feet

200 Feb

051

EXPLANATION



Contour interval 10 feet
Elevation datum assumed

GEOLOGIC MAP
OF THE
JESSE BELLE MINE AREA
MADERA COUNTY, CALIFORNIA

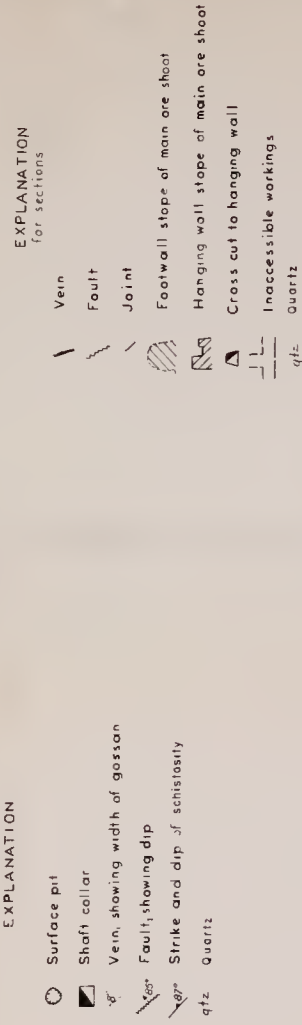
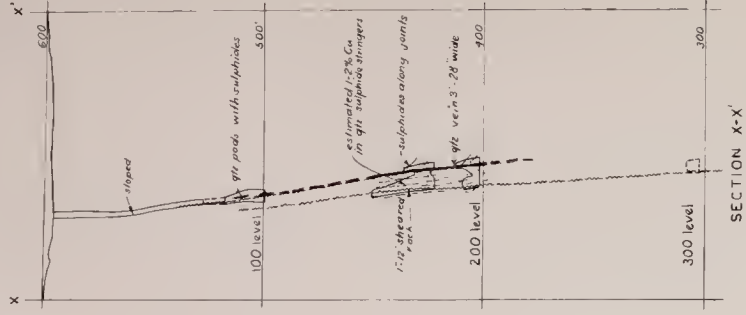
SURVEYED BY
M. W. CDX AND D. G. WYANT

APRIL 1944

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Daulton RR spur 3 1/2 miles

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SURVEYED BY
M. W. COX AND D. G. WYANT

